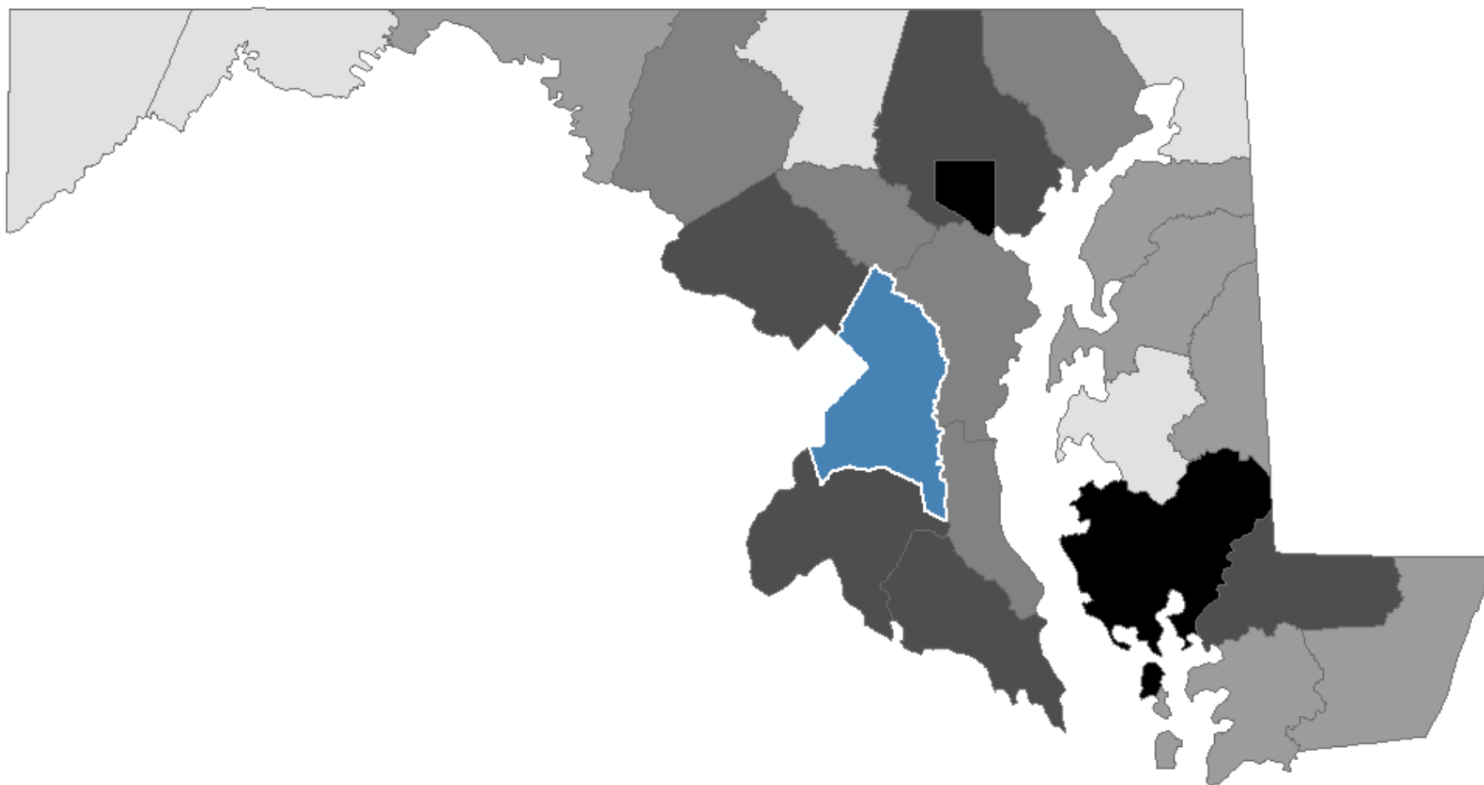


# 2016



## Prince George's County HIV Annual Epidemiological Profile

Data reported through June 30, 2017

Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Prevention and Health Services Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health  
<http://phpa.health.maryland.gov/OIDEOR/CHSE>  
1-800-358-9001

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# Section I – Background Information

## HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phones numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

## For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

## Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 12/31/2016. Nationally, it has been estimated that 15.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 15.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of 12/31/2016. Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2017. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the most recent eight and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and previously diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.



For this epidemiological profile, the reports received through a certain time (six months after December 31<sup>st</sup> of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2016 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2016-12/31/2016, as reported by name through 6/30/2017.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2017 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2016 as reported by name through 6/30/2017.

## Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ cells is less than 14%. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of VL, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

## Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2017.

Population data by sex, age, and race/ethnicity are from the July 1, 2016 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2015 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2015 HIV Surveillance Supplemental Report published July 2017. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

## Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy

and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Men who have Sex with Men (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

**Other Exposure:** Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing for some cases. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual case as well as data in aggregate from other cases in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates.



## **MDH Non-Discrimination Statement**

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Help is available in your language: 410-767-5227 (TTY: 1-800-735-2258). These services are available for free.

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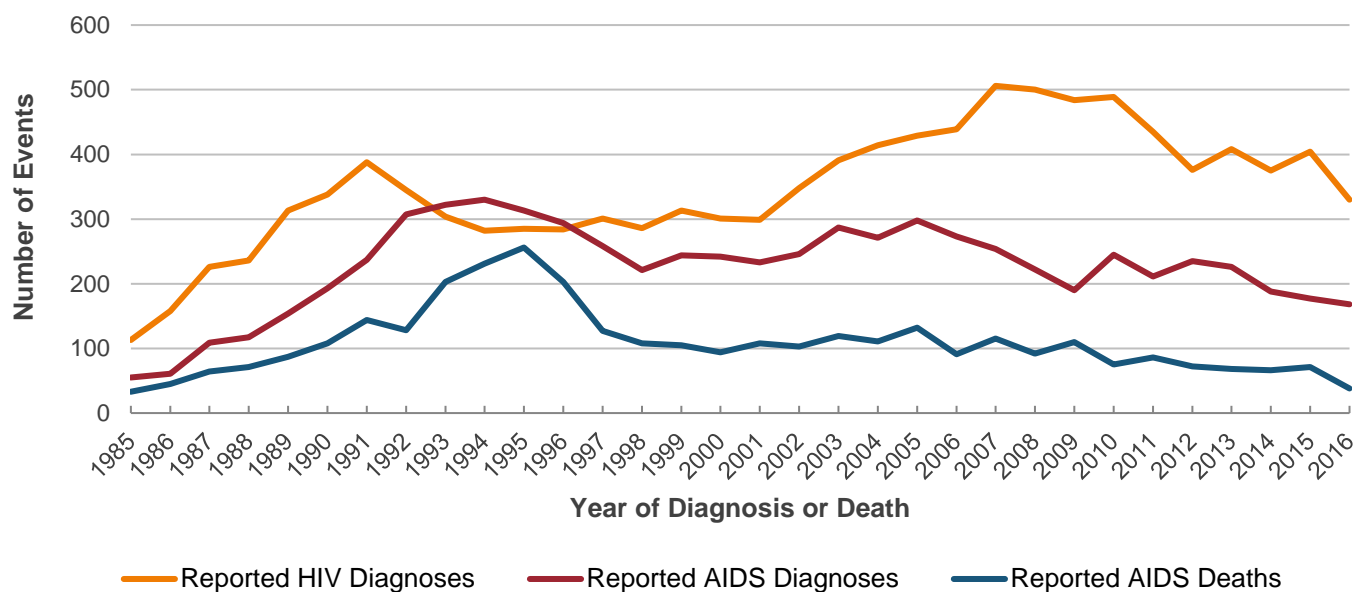
### **中文/Chinese**

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## Section II – Trends 1985-2016

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2016, Reported through 6/30/2017**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2016 as Reported through 6/30/2017



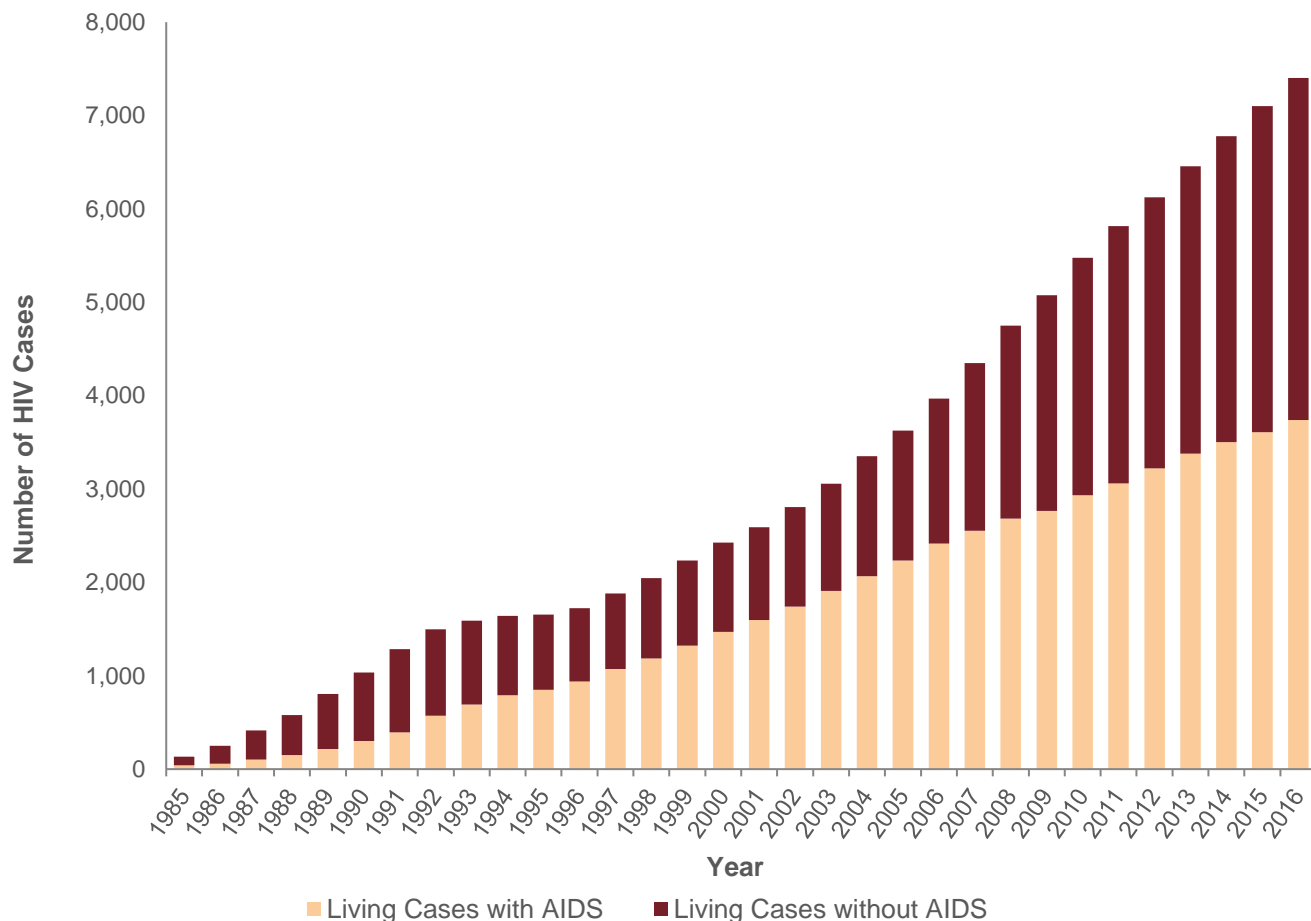
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	65	40	19	2001	299	233	108
1985	113	55	33	2002	348	246	103
1986	158	61	45	2003	391	287	119
1987	226	109	64	2004	414	271	111
1988	236	117	71	2005	429	298	132
1989	313	154	87	2006	439	273	91
1990	338	193	108	2007	506	254	115
1991	388	237	144	2008	500	222	92
1992	345	307	128	2009	484	190	110
1993	304	322	203	2010	489	245	75
1994	282	330	231	2011	435	211	86
1995	285	313	256	2012	376	235	72
1996	284	294	203	2013	408	226	68
1997	301	258	127	2014	375	188	66
1998	286	221	108	2015*	404	177	71
1999	313	244	105	2016*	330	168	38
2000	301	242	94	TOTAL	11,165	7,221	3,483

\*2015-2016 reported AIDS deaths are preliminary.

## Figure 2 – Trends in Living HIV Cases, 1985-2016, Reported through 6/30/2017

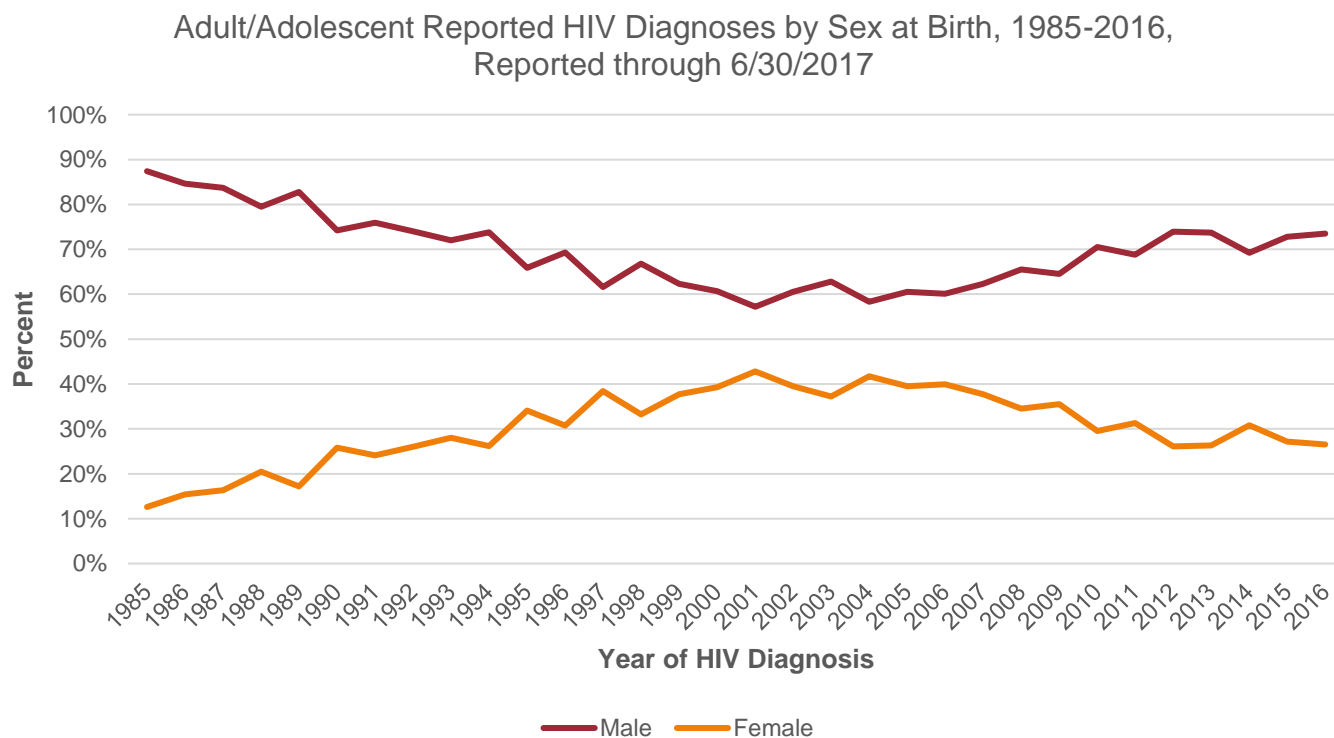
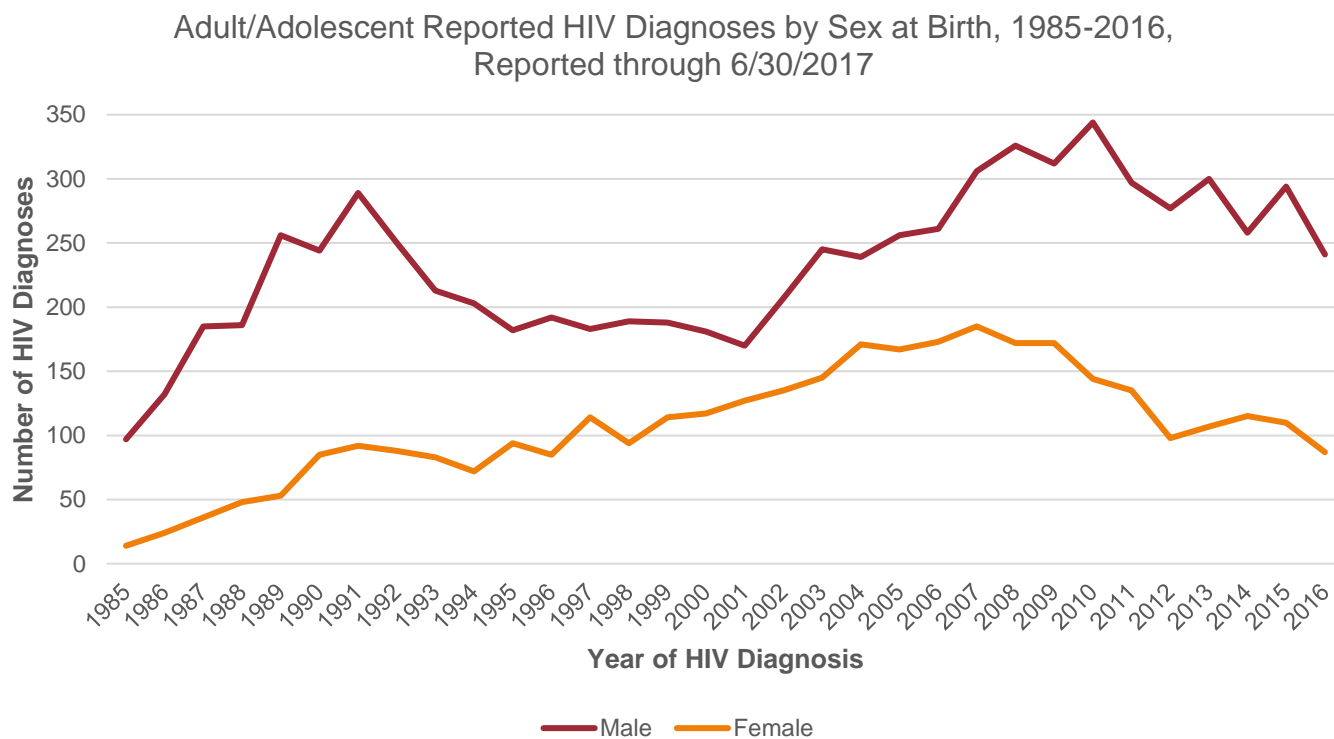
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2016, as Reported through 6/30/2017



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	93	42	135	2001	996	1,596	2,592
1986	191	58	249	2002	1,067	1,739	2,806
1987	311	103	414	2003	1,148	1,907	3,055
1988	430	149	579	2004	1,283	2,067	3,350
1989	589	216	805	2005	1,394	2,233	3,627
1990	735	301	1,036	2006	1,552	2,415	3,967
1991	890	394	1,284	2007	1,794	2,554	4,348
1992	923	573	1,496	2008	2,066	2,684	4,750
1993	898	692	1,590	2009	2,312	2,764	5,076
1994	849	791	1,640	2010	2,541	2,934	5,475
1995	806	848	1,654	2011	2,757	3,059	5,816
1996	783	940	1,723	2012	2,901	3,222	6,123
1997	810	1,071	1,881	2013	3,076	3,380	6,456
1998	863	1,184	2,047	2014	3,277	3,502	6,779
1999	912	1,323	2,235	2015	3,493	3,608	7,101
2000	954	1,471	2,425	2016	3,665	3,738	7,403

### Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2016, Reported through 6/30/2017

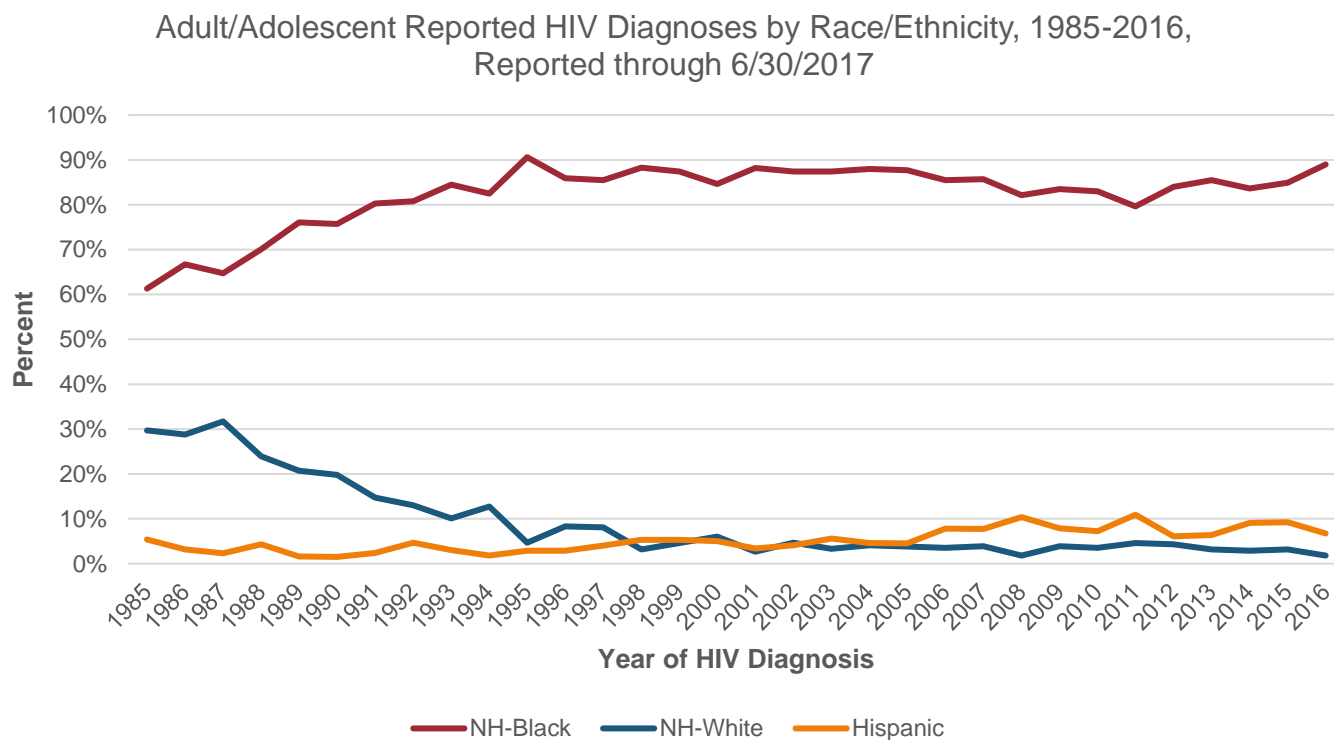
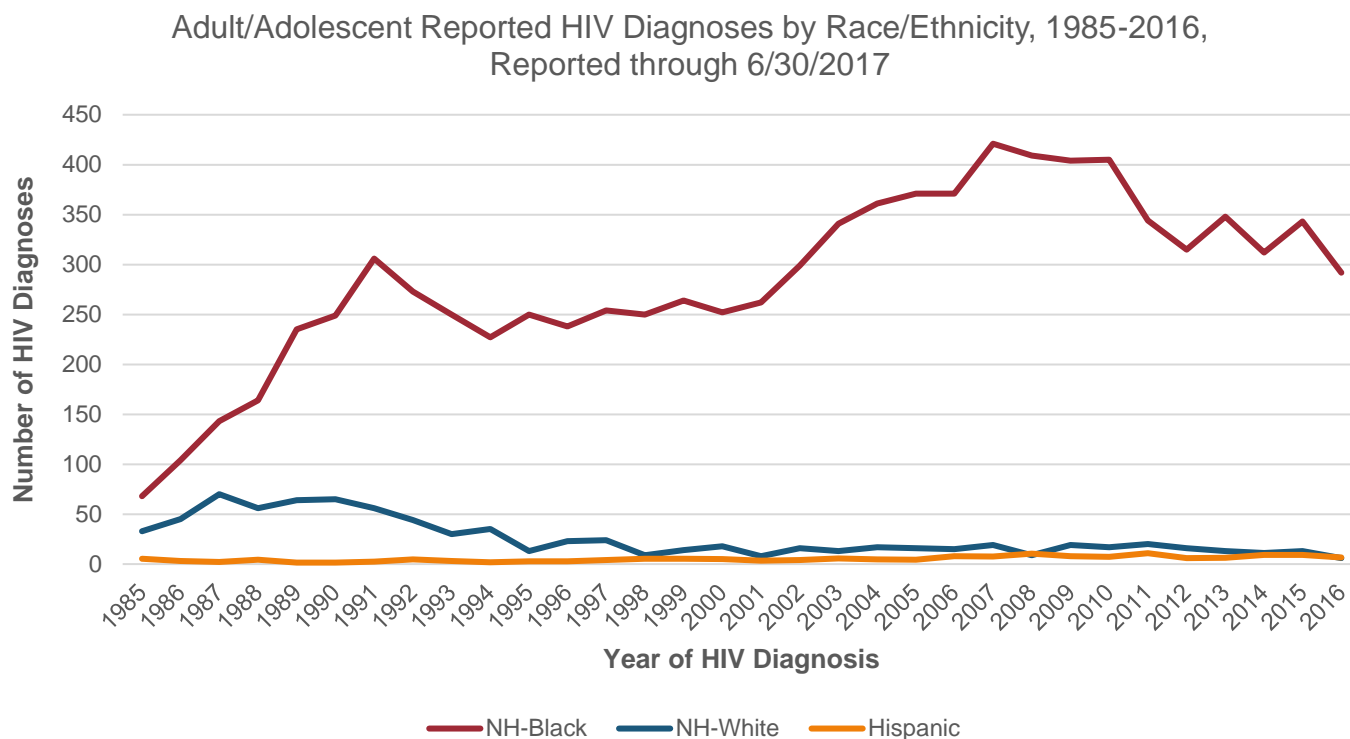
Number and Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



ADULT/ADOLESCENT REPORTED HIV DIAGNOSES					
YEAR OF HIV DIAGNOSIS	No.	SEX AT BIRTH			
		Male		Female	
		No.	%	No.	%
<1985	64	56	87.5%	8	12.5%
1985	111	97	87.4%	14	12.6%
1986	156	132	84.6%	24	15.4%
1987	221	185	83.7%	36	16.3%
1988	234	186	79.5%	48	20.5%
1989	309	256	82.8%	53	17.2%
1990	329	244	74.2%	85	25.8%
1991	381	289	75.9%	92	24.1%
1992	338	250	74.0%	88	26.0%
1993	296	213	72.0%	83	28.0%
1994	275	203	73.8%	72	26.2%
1995	276	182	65.9%	94	34.1%
1996	277	192	69.3%	85	30.7%
1997	297	183	61.6%	114	38.4%
1998	283	189	66.8%	94	33.2%
1999	302	188	62.3%	114	37.7%
2000	298	181	60.7%	117	39.3%
2001	297	170	57.2%	127	42.8%
2002	342	207	60.5%	135	39.5%
2003	390	245	62.8%	145	37.2%
2004	410	239	58.3%	171	41.7%
2005	423	256	60.5%	167	39.5%
2006	434	261	60.1%	173	39.9%
2007	491	306	62.3%	185	37.7%
2008	498	326	65.5%	172	34.5%
2009	484	312	64.5%	172	35.5%
2010	488	344	70.5%	144	29.5%
2011	432	297	68.8%	135	31.3%
2012	375	277	73.9%	98	26.1%
2013	407	300	73.7%	107	26.3%
2014	373	258	69.2%	115	30.8%
2015	404	294	72.8%	110	27.2%
2016	328	241	73.5%	87	26.5%
TOTAL	11,023	7,559	68.6%	3,464	31.4%

## Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2016, Reported through 6/30/2017

Number and Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



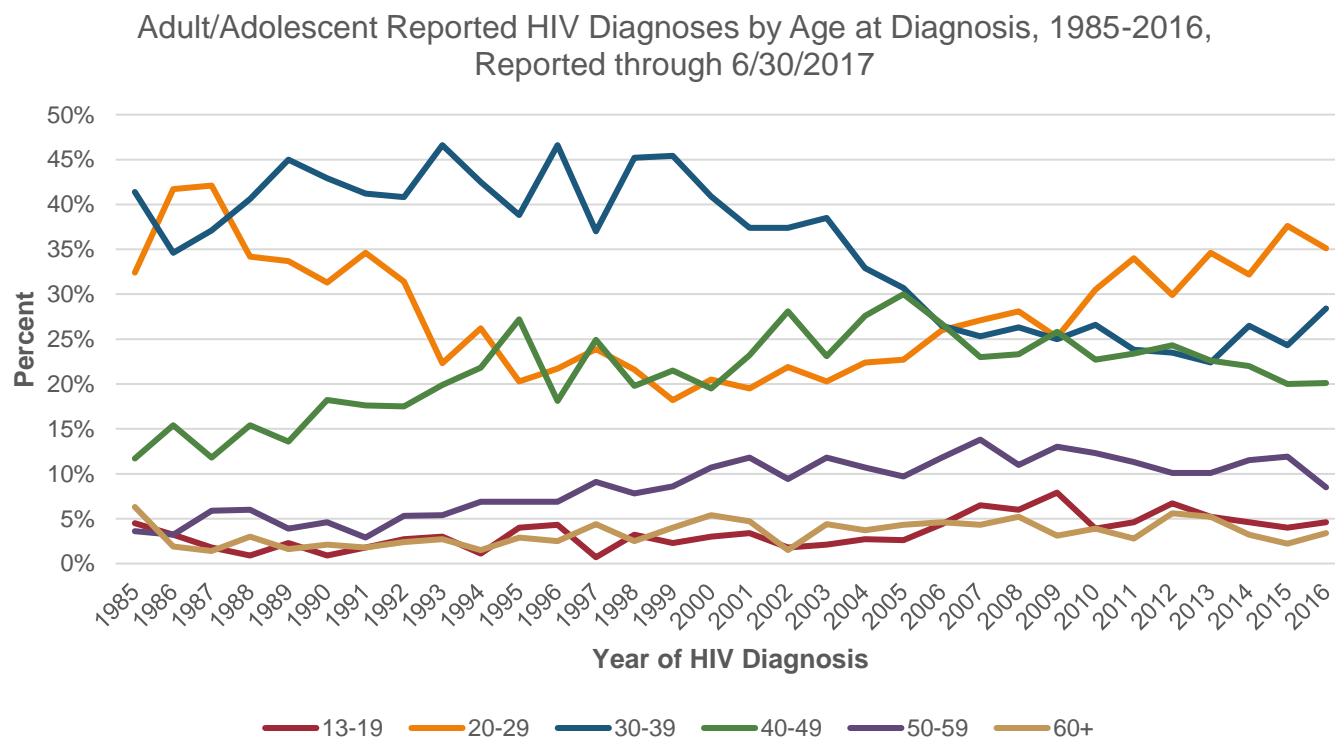
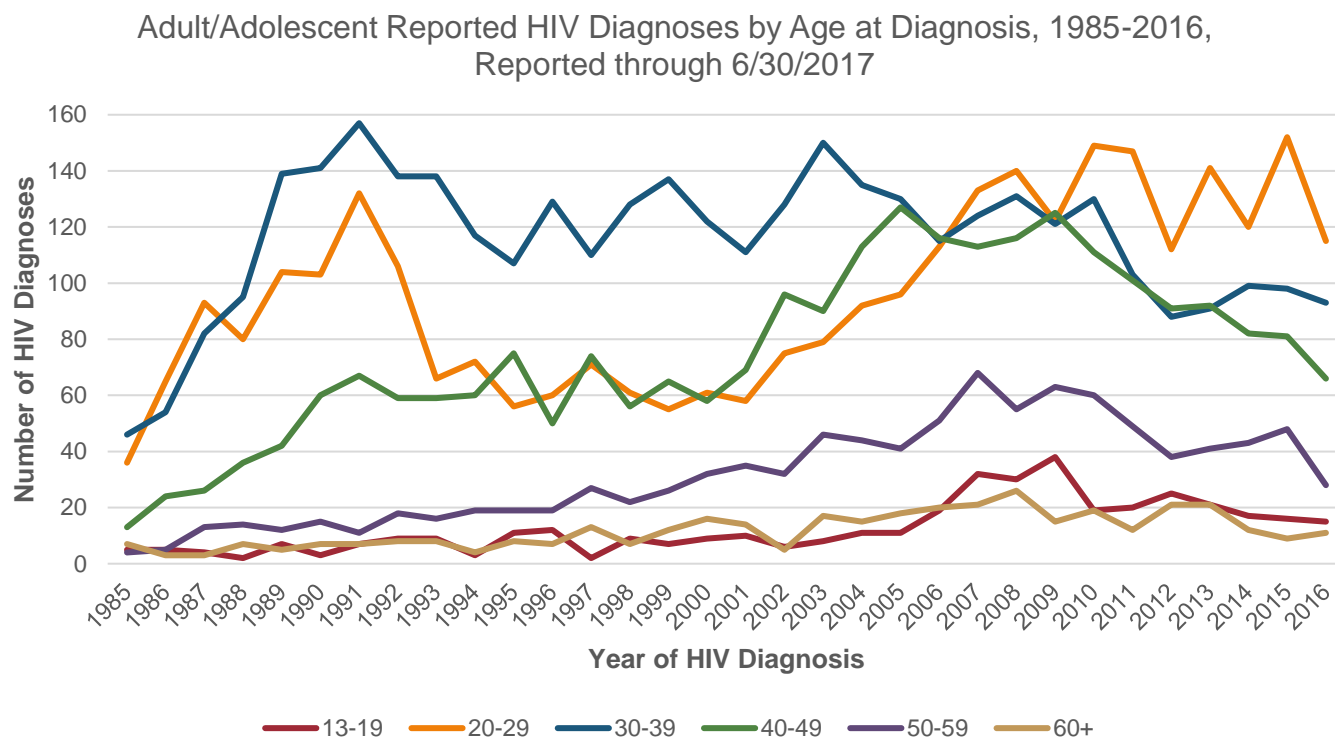
Non-Hispanic Other race not shown

ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
YEAR OF HIV DIAGNOSIS	No.	RACE/ETHNICITY							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	64	0	0.0%	46	71.9%	17	26.6%	1	1.6%
1985	111	6	5.4%	68	61.3%	33	29.7%	4	3.6%
1986	156	5	3.2%	104	66.7%	45	28.8%	2	1.3%
1987	221	5	2.3%	143	64.7%	70	31.7%	3	1.4%
1988	234	10	4.3%	164	70.1%	56	23.9%	4	1.7%
1989	309	5	1.6%	235	76.1%	64	20.7%	5	1.6%
1990	329	5	1.5%	249	75.7%	65	19.8%	10	3.0%
1991	381	9	2.4%	306	80.3%	56	14.7%	10	2.6%
1992	338	16	4.7%	273	80.8%	44	13.0%	5	1.5%
1993	296	9	3.0%	250	84.5%	30	10.1%	7	2.4%
1994	275	5	1.8%	227	82.5%	35	12.7%	8	2.9%
1995	276	8	2.9%	250	90.6%	13	4.7%	5	1.8%
1996	277	8	2.9%	238	85.9%	23	8.3%	8	2.9%
1997	297	12	4.0%	254	85.5%	24	8.1%	7	2.4%
1998	283	15	5.3%	250	88.3%	9	3.2%	9	3.2%
1999	302	16	5.3%	264	87.4%	14	4.6%	8	2.6%
2000	298	15	5.0%	252	84.6%	18	6.0%	13	4.4%
2001	297	10	3.4%	262	88.2%	8	2.7%	17	5.7%
2002	342	14	4.1%	299	87.4%	16	4.7%	13	3.8%
2003	390	22	5.6%	341	87.4%	13	3.3%	14	3.6%
2004	410	19	4.6%	361	88.0%	17	4.1%	13	3.2%
2005	423	19	4.5%	371	87.7%	16	3.8%	17	4.0%
2006	434	34	7.8%	371	85.5%	15	3.5%	14	3.2%
2007	491	38	7.7%	421	85.7%	19	3.9%	13	2.6%
2008	498	52	10.4%	409	82.1%	9	1.8%	28	5.6%
2009	484	38	7.9%	404	83.5%	19	3.9%	23	4.8%
2010	488	35	7.2%	405	83.0%	17	3.5%	31	6.4%
2011	432	47	10.9%	344	79.6%	20	4.6%	21	4.9%
2012	375	23	6.1%	315	84.0%	16	4.3%	21	5.6%
2013	407	26	6.4%	348	85.5%	13	3.2%	20	4.9%
2014	373	34	9.1%	312	83.6%	11	2.9%	16	4.3%
2015	404	37	9.2%	343	84.9%	13	3.2%	11	2.7%
2016	328	22	6.7%	292	89.0%	6	1.8%	8	2.4%
TOTAL	11,023	619	5.6%	9,171	83.2%	844	7.7%	389	3.5%



## Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2016, Reported through 6/30/2017

Number and Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

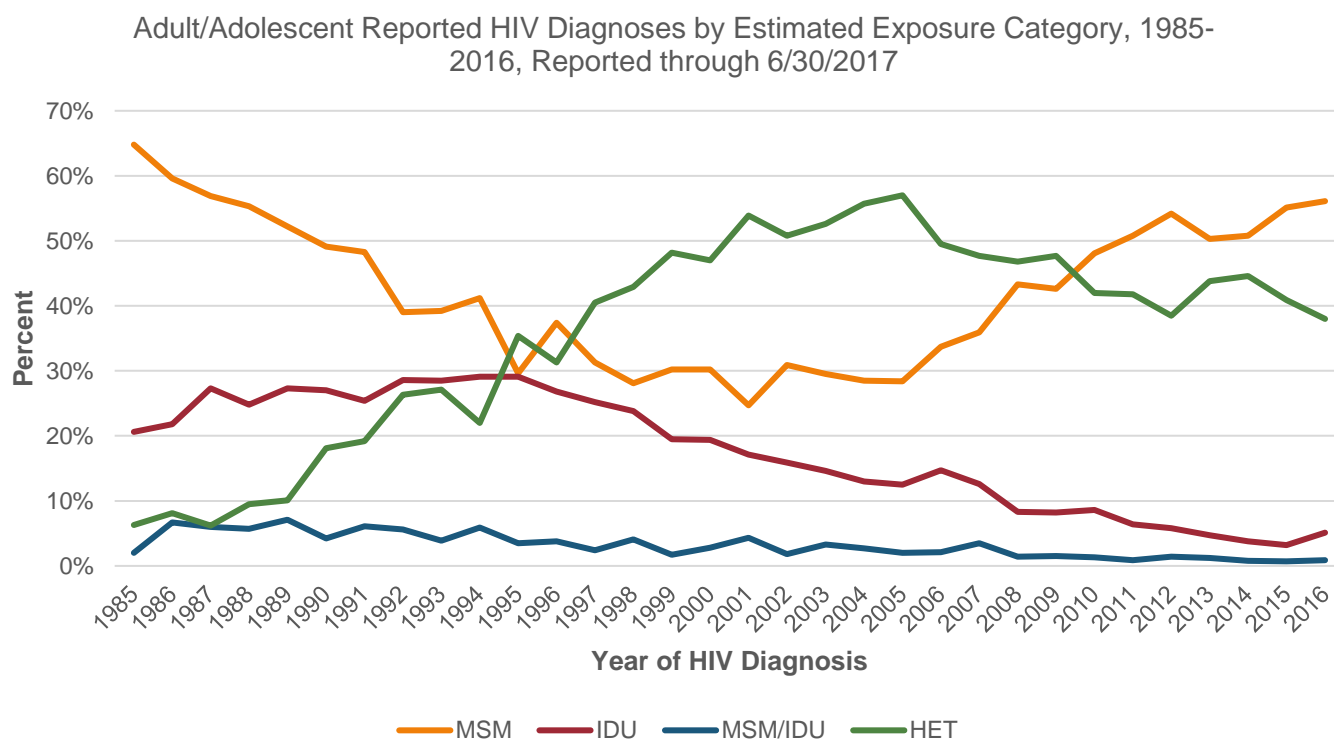
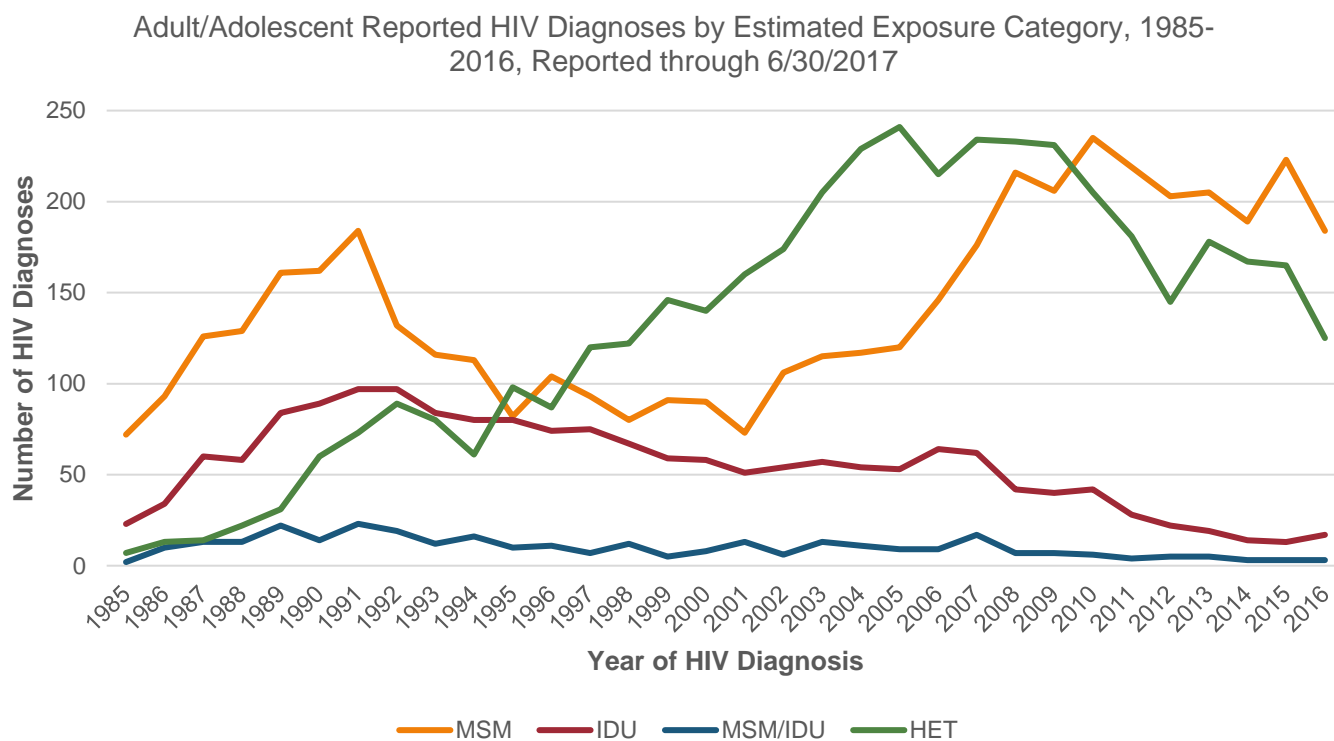


**ADULT/ADOLESCENT REPORTED HIV DIAGNOSES**

YEAR OF HIV DIAGNOSIS	No.	AGE AT HIV DIAGNOSIS											
		Age 13-19		Age 20-29		Age 30-39		Age 40-49		Age 50-59		Age 60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	64	5	7.8%	26	40.6%	20	31.3%	11	17.2%	1	1.6%	1	1.6%
1985	111	5	4.5%	36	32.4%	46	41.4%	13	11.7%	4	3.6%	7	6.3%
1986	156	5	3.2%	65	41.7%	54	34.6%	24	15.4%	5	3.2%	3	1.9%
1987	221	4	1.8%	93	42.1%	82	37.1%	26	11.8%	13	5.9%	3	1.4%
1988	234	2	0.9%	80	34.2%	95	40.6%	36	15.4%	14	6.0%	7	3.0%
1989	309	7	2.3%	104	33.7%	139	45.0%	42	13.6%	12	3.9%	5	1.6%
1990	329	3	0.9%	103	31.3%	141	42.9%	60	18.2%	15	4.6%	7	2.1%
1991	381	7	1.8%	132	34.6%	157	41.2%	67	17.6%	11	2.9%	7	1.8%
1992	338	9	2.7%	106	31.4%	138	40.8%	59	17.5%	18	5.3%	8	2.4%
1993	296	9	3.0%	66	22.3%	138	46.6%	59	19.9%	16	5.4%	8	2.7%
1994	275	3	1.1%	72	26.2%	117	42.5%	60	21.8%	19	6.9%	4	1.5%
1995	276	11	4.0%	56	20.3%	107	38.8%	75	27.2%	19	6.9%	8	2.9%
1996	277	12	4.3%	60	21.7%	129	46.6%	50	18.1%	19	6.9%	7	2.5%
1997	297	2	0.7%	71	23.9%	110	37.0%	74	24.9%	27	9.1%	13	4.4%
1998	283	9	3.2%	61	21.6%	128	45.2%	56	19.8%	22	7.8%	7	2.5%
1999	302	7	2.3%	55	18.2%	137	45.4%	65	21.5%	26	8.6%	12	4.0%
2000	298	9	3.0%	61	20.5%	122	40.9%	58	19.5%	32	10.7%	16	5.4%
2001	297	10	3.4%	58	19.5%	111	37.4%	69	23.2%	35	11.8%	14	4.7%
2002	342	6	1.8%	75	21.9%	128	37.4%	96	28.1%	32	9.4%	5	1.5%
2003	390	8	2.1%	79	20.3%	150	38.5%	90	23.1%	46	11.8%	17	4.4%
2004	410	11	2.7%	92	22.4%	135	32.9%	113	27.6%	44	10.7%	15	3.7%
2005	423	11	2.6%	96	22.7%	130	30.7%	127	30.0%	41	9.7%	18	4.3%
2006	434	19	4.4%	113	26.0%	115	26.5%	116	26.7%	51	11.8%	20	4.6%
2007	491	32	6.5%	133	27.1%	124	25.3%	113	23.0%	68	13.8%	21	4.3%
2008	498	30	6.0%	140	28.1%	131	26.3%	116	23.3%	55	11.0%	26	5.2%
2009	484	38	7.9%	122	25.2%	121	25.0%	125	25.8%	63	13.0%	15	3.1%
2010	488	19	3.9%	149	30.5%	130	26.6%	111	22.7%	60	12.3%	19	3.9%
2011	432	20	4.6%	147	34.0%	103	23.8%	101	23.4%	49	11.3%	12	2.8%
2012	375	25	6.7%	112	29.9%	88	23.5%	91	24.3%	38	10.1%	21	5.6%
2013	407	21	5.2%	141	34.6%	91	22.4%	92	22.6%	41	10.1%	21	5.2%
2014	373	17	4.6%	120	32.2%	99	26.5%	82	22.0%	43	11.5%	12	3.2%
2015	404	16	4.0%	152	37.6%	98	24.3%	81	20.0%	48	11.9%	9	2.2%
2016	328	15	4.6%	115	35.1%	93	28.4%	66	20.1%	28	8.5%	11	3.4%
TOTAL	11,023	407	3.7%	3,091	28.0%	3,707	33.6%	2,424	22.0%	1,015	9.2%	379	3.4%

## Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Estimated Exposure Category, 1985-2016, Reported through 6/30/2017

Number and Percent by Estimated Exposure Category<sup>§</sup> of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



Other Exposure Category not shown

<sup>§</sup> Multiple imputation was used to estimate and adjust for missing transmission category.

YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES											
	No.**	% with No Reported Exposure*	ESTIMATED EXPOSURE CATEGORY <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	64	12.5%	42	65.2%	13	20.5%	2	3.3%	6	9.5%	1	1.6%
1985	111	8.1%	72	64.8%	23	20.6%	2	2.0%	7	6.3%	7	6.3%
1986	156	3.8%	93	59.6%	34	21.8%	10	6.7%	13	8.1%	6	3.8%
1987	221	4.1%	126	56.9%	60	27.3%	13	6.0%	14	6.2%	8	3.6%
1988	234	3.0%	129	55.3%	58	24.8%	13	5.7%	22	9.5%	11	4.7%
1989	309	6.5%	161	52.2%	84	27.3%	22	7.1%	31	10.1%	10	3.2%
1990	329	4.3%	162	49.1%	89	27.0%	14	4.2%	60	18.1%	5	1.5%
1991	381	5.8%	184	48.3%	97	25.4%	23	6.1%	73	19.2%	4	1.0%
1992	338	11.5%	132	39.0%	97	28.6%	19	5.6%	89	26.3%	2	0.6%
1993	296	10.5%	116	39.2%	84	28.5%	12	3.9%	80	27.1%	4	1.4%
1994	275	8.7%	113	41.2%	80	29.1%	16	5.9%	61	22.0%	5	1.8%
1995	276	13.0%	82	29.6%	80	29.1%	10	3.5%	98	35.4%	7	2.5%
1996	277	16.6%	104	37.4%	74	26.8%	11	3.8%	87	31.3%	2	0.7%
1997	297	16.5%	93	31.3%	75	25.2%	7	2.4%	120	40.5%	2	0.7%
1998	283	20.1%	80	28.1%	67	23.8%	12	4.1%	122	42.9%	3	1.1%
1999	302	18.9%	91	30.2%	59	19.5%	5	1.7%	146	48.2%	1	0.3%
2000	298	19.8%	90	30.2%	58	19.4%	8	2.8%	140	47.0%	2	0.7%
2001	297	18.9%	73	24.7%	51	17.1%	13	4.3%	160	53.9%	0	0.0%
2002	342	14.3%	106	30.9%	54	15.9%	6	1.8%	174	50.8%	2	0.6%
2003	390	14.4%	115	29.5%	57	14.6%	13	3.3%	205	52.6%	0	0.0%
2004	410	21.0%	117	28.5%	54	13.0%	11	2.7%	229	55.7%	0	0.0%
2005	423	26.7%	120	28.4%	53	12.5%	9	2.0%	241	57.0%	0	0.0%
2006	434	29.3%	146	33.7%	64	14.7%	9	2.1%	215	49.5%	0	0.0%
2007	491	31.4%	176	35.9%	62	12.6%	17	3.5%	234	47.7%	2	0.4%
2008	498	38.4%	216	43.3%	42	8.3%	7	1.4%	233	46.8%	1	0.2%
2009	484	45.0%	206	42.6%	40	8.2%	7	1.5%	231	47.7%	0	0.0%
2010	488	43.0%	235	48.1%	42	8.6%	6	1.3%	205	42.0%	0	0.0%
2011	432	45.8%	219	50.8%	28	6.4%	4	0.9%	181	41.8%	0	0.0%
2012	375	36.0%	203	54.2%	22	5.8%	5	1.4%	145	38.5%	0	0.0%
2013	407	28.7%	205	50.3%	19	4.7%	5	1.2%	178	43.8%	0	0.0%
2014	373	27.1%	189	50.8%	14	3.8%	3	0.8%	167	44.6%	0	0.0%
2015	404	24.0%	223	55.1%	13	3.2%	3	0.7%	165	40.9%	0	0.0%
2016*	328	43.6%	184	56.1%	17	5.1%	3	0.9%	125	38.0%	0	0.0%
TOTAL	11,023	23.1%	4,602	41.8%	1,763	16.0%	320	2.9%	4,252	38.6%	85	0.8%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

\*Percent with no reported exposure prior to multiple imputation adjustment.

\*\* Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1% of cases missing transmission category after multiple imputation.

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
20601	264	0	0.0%	0.0	--	--	--	--	--
20607	8,614	2	0.6%	23.2	***	***	***	***	***
20608	844	0	0.0%	0.0	--	--	--	--	--
20613	9,059	4	1.2%	44.2	***	***	***	***	***
20623	2,446	1	0.3%	40.9	***	***	***	***	***
20705	22,582	8	2.4%	35.4	87.5%	87.5%	***	75.0%	494
20706	32,960	14	4.3%	42.5	71.4%	85.7%	35.7%	92.9%	338
20707	27,438	9	2.7%	32.8	77.8%	88.9%	***	100.0%	529
20708	21,678	7	2.1%	32.3	100.0%	100.0%	***	100.0%	469
20710	7,851	5	1.5%	63.7	80.0%	100.0%	***	100.0%	102
20712	7,878	4	1.2%	50.8	***	***	***	***	***
20715	23,675	3	0.9%	12.7	***	***	***	***	***
20716	18,063	2	0.6%	11.1	***	***	***	***	***
20720	18,164	8	2.4%	44.0	62.5%	75.0%	***	75.0%	315
20721	23,819	7	2.1%	29.4	85.7%	85.7%	0.0%	71.4%	337
20722	4,944	1	0.3%	20.2	***	***	***	***	***
20735	31,648	13	4.0%	41.1	84.6%	92.3%	***	92.3%	345
20737	17,068	10	3.0%	58.6	70.0%	80.0%	***	90.0%	416
20740	27,795	4	1.2%	14.4	***	***	***	***	***
20742	8,248	0	0.0%	0.0	--	--	--	--	--
20743	33,643	28	8.5%	83.2	71.4%	75.0%	28.6%	82.1%	325
20744	45,500	12	3.7%	26.4	66.7%	75.0%	***	75.0%	319
20745	24,998	21	6.4%	84.0	90.5%	100.0%	28.6%	100.0%	357
20746	24,982	19	5.8%	76.1	89.5%	89.5%	26.3%	78.9%	390
20747	34,691	18	5.5%	51.9	83.3%	83.3%	***	88.9%	388
20748	34,735	15	4.6%	43.2	73.3%	93.3%	***	100.0%	361
20762	2,147	0	0.0%	0.0	--	--	--	--	--
20769	5,740	2	0.6%	34.8	***	***	***	***	***
20770	22,100	11	3.4%	49.8	72.7%	81.8%	***	81.8%	423
20772	37,524	7	2.1%	18.7	85.7%	85.7%	***	71.4%	466
20774	38,140	20	6.1%	52.4	80.0%	80.0%	30.0%	95.0%	397
20781	9,892	5	1.5%	50.5	***	***	***	100.0%	369
20782	26,917	12	3.7%	44.6	83.3%	83.3%	***	75.0%	372
20783	38,972	12	3.7%	30.8	83.3%	83.3%	41.7%	91.7%	363
20784	24,871	18	5.5%	72.4	72.2%	83.3%	***	77.8%	454
20785	29,902	16	4.9%	53.5	87.5%	93.8%	***	87.5%	567
20903	4,575	8	2.4%	174.9	100.0%	100.0%	***	100.0%	351
20904	274	0	0.0%	0.0	--	--	--	--	--
20912	2,989	2	0.6%	66.9	***	***	***	***	***
Unknown	--	0	0.0%	--	--	--	--	--	--
<b>TOTAL</b>	<b>757,629</b>	<b>328</b>	<b>100.0%</b>	<b>43.3</b>	<b>79.6%</b>	<b>85.4%</b>	<b>26.2%</b>	<b>87.2%</b>	<b>378</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Rate:** Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2016, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
20601	264	0	0.0%	0.0	--	--
20607	8,614	2	1.2%	23.2	***	***
20608	844	0	0.0%	0.0	--	--
20613	9,059	2	1.2%	22.1	***	***
20623	2,446	1	0.6%	40.9	***	***
20705	22,582	2	1.2%	8.9	***	***
20706	32,960	12	7.2%	36.4	4.5	41.7%
20707	27,438	5	3.0%	18.2	7.5	20.0%
20708	21,678	2	1.2%	9.2	***	***
20710	7,851	3	1.8%	38.2	***	***
20712	7,878	1	0.6%	12.7	***	***
20715	23,675	0	0.0%	0.0	--	--
20716	18,063	2	1.2%	11.1	***	***
20720	18,164	3	1.8%	16.5	***	***
20721	23,819	2	1.2%	8.4	***	***
20722	4,944	0	0.0%	0.0	--	--
20735	31,648	7	4.2%	22.1	3.2	42.9%
20737	17,068	3	1.8%	17.6	***	***
20740	27,795	3	1.8%	10.8	***	***
20742	8,248	0	0.0%	0.0	--	--
20743	33,643	10	6.0%	29.7	1.7	70.0%
20744	45,500	10	6.0%	22.0	5.5	30.0%
20745	24,998	11	6.6%	44.0	2.4	54.5%
20746	24,982	9	5.4%	36.0	4.1	55.6%
20747	34,691	12	7.2%	34.6	8.3	33.3%
20748	34,735	12	7.2%	34.5	6.7	25.0%
20762	2,147	0	0.0%	0.0	--	--
20769	5,740	1	0.6%	17.4	***	***
20770	22,100	4	2.4%	18.1	***	***
20772	37,524	7	4.2%	18.7	5.5	42.9%
20774	38,140	12	7.2%	31.5	4.1	50.0%
20781	9,892	2	1.2%	20.2	***	***
20782	26,917	5	3.0%	18.6	2.1	60.0%
20783	38,972	6	3.6%	15.4	0.3	100.0%
20784	24,871	7	4.2%	28.1	4.2	57.1%
20785	29,902	5	3.0%	16.7	9.8	40.0%
20903	4,575	3	1.8%	65.6	***	***
20904	274	0	0.0%	0.0	--	--
20912	2,989	1	0.6%	33.5	***	***
Unknown	--	0	0.0%	--	--	--
<b>TOTAL</b>	<b>757,629</b>	<b>167</b>	<b>100.0%</b>	<b>22.0</b>	<b>4.2</b>	<b>50.9%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.



**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Rate:** Number of adult/adolescent AIDS diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Mean Years from HIV Diagnosis:** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
20601	264	***	***	***	***	***	***	***	***	***	***
20607	8,614	20	0.6%	232.2	18	0.5%	209.0	38	0.5%	441.2	226
20608	844	***	***	***	***	***	***	***	***	***	***
20613	9,059	23	0.6%	253.9	21	0.6%	231.8	44	0.6%	485.7	205
20623	2,446	5	0.1%	204.5	10	0.3%	408.9	15	0.2%	613.4	163
20705	22,582	60	1.7%	265.7	73	2.0%	323.3	133	1.8%	589.0	169
20706	32,960	156	4.3%	473.3	165	4.5%	500.6	321	4.4%	973.9	102
20707	27,438	85	2.4%	309.8	72	2.0%	262.4	157	2.2%	572.2	174
20708	21,678	95	2.6%	438.2	76	2.1%	350.6	171	2.3%	788.8	126
20710	7,851	50	1.4%	636.9	49	1.3%	624.1	99	1.4%	1,261.0	79
20712	7,878	62	1.7%	787.1	71	1.9%	901.3	133	1.8%	1,688.4	59
20715	23,675	33	0.9%	139.4	25	0.7%	105.6	58	0.8%	245.0	408
20716	18,063	47	1.3%	260.2	51	1.4%	282.3	98	1.3%	542.5	184
20720	18,164	45	1.2%	247.7	41	1.1%	225.7	86	1.2%	473.5	211
20721	23,819	75	2.1%	314.9	70	1.9%	293.9	145	2.0%	608.7	164
20722	4,944	28	0.8%	566.4	25	0.7%	505.7	53	0.7%	1,072.0	93
20735	31,648	127	3.5%	401.3	113	3.1%	357.0	240	3.3%	758.3	131
20737	17,068	87	2.4%	509.7	81	2.2%	474.6	168	2.3%	984.3	101
20740	27,795	64	1.8%	230.3	46	1.2%	165.5	110	1.5%	395.8	252
20742	8,248	1	0.0%	12.1	4	0.1%	48.5	5	0.1%	60.6	1,649
20743	33,643	260	7.2%	772.8	323	8.8%	960.1	583	8.0%	1,732.9	57
20744	45,500	177	4.9%	389.0	176	4.8%	386.8	353	4.8%	775.8	128
20745	24,998	154	4.3%	616.0	202	5.5%	808.1	356	4.9%	1,424.1	70
20746	24,982	203	5.6%	812.6	177	4.8%	708.5	380	5.2%	1,521.1	65
20747	34,691	257	7.1%	740.8	271	7.3%	781.2	528	7.2%	1,522.0	65
20748	34,735	225	6.2%	647.8	227	6.2%	653.5	452	6.2%	1,301.3	76
20762	2,147	3	0.1%	139.8	1	0.0%	46.6	4	0.1%	186.3	536
20769	5,740	8	0.2%	139.4	10	0.3%	174.2	18	0.2%	313.6	318
20770	22,100	115	3.2%	520.4	113	3.1%	511.3	228	3.1%	1,031.7	96
20772	37,524	137	3.8%	365.1	117	3.2%	311.8	254	3.5%	676.9	147
20774	38,140	183	5.1%	479.8	147	4.0%	385.4	330	4.5%	865.2	115
20781	9,892	37	1.0%	374.0	42	1.1%	424.6	79	1.1%	798.6	125
20782	26,917	158	4.4%	587.0	166	4.5%	616.7	324	4.4%	1,203.7	83
20783	38,972	121	3.4%	310.5	201	5.5%	515.8	322	4.4%	826.2	121
20784	24,871	154	4.3%	619.2	170	4.6%	683.5	324	4.4%	1,302.7	76
20785	29,902	284	7.9%	949.8	260	7.0%	869.5	544	7.5%	1,819.3	54
20903	4,575	17	0.5%	371.6	14	0.4%	306.0	31	0.4%	677.6	147
20904	274	***	***	***	***	***	***	***	***	***	***
20912	2,989	23	0.6%	769.6	32	0.9%	1,070.8	55	0.8%	1,840.4	54
Unknown	--	24	0.7%	--	27	0.7%	--	51	0.7%	--	--
<b>TOTAL</b>	<b>757,629</b>	<b>3,605</b>	<b>100.0%</b>	<b>475.8</b>	<b>3,688</b>	<b>100.0%</b>	<b>486.8</b>	<b>7,293</b>	<b>100.0%</b>	<b>962.6</b>	<b>103</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 4 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis or Current Residence, Reported through 6/30/2017**

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Total Living HIV Cases								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
20601	264	***	***	***	***	***	***	***	***	***
20607	8,614	38	0.5%	441.2	226	58	0.8%	673.3	148	52.6%
20608	844	***	***	***	***	***	***	***	***	***
20613	9,059	44	0.6%	485.7	205	55	0.7%	607.2	164	25.0%
20623	2,446	15	0.2%	613.4	163	16	0.2%	654.3	152	6.7%
20705	22,582	133	1.8%	589.0	169	143	1.9%	633.2	157	7.5%
20706	32,960	321	4.4%	973.9	102	295	3.9%	895.0	111	-8.1%
20707	27,438	157	2.2%	572.2	174	173	2.3%	630.5	158	10.2%
20708	21,678	171	2.3%	788.8	126	190	2.5%	876.5	114	11.1%
20710	7,851	99	1.4%	1,261.0	79	89	1.2%	1,133.6	88	-10.1%
20712	7,878	133	1.8%	1,688.4	59	107	1.4%	1,358.3	73	-19.5%
20715	23,675	58	0.8%	245.0	408	49	0.7%	207.0	483	-15.5%
20716	18,063	98	1.3%	542.5	184	114	1.5%	631.1	158	16.3%
20720	18,164	86	1.2%	473.5	211	106	1.4%	583.6	171	23.3%
20721	23,819	145	2.0%	608.7	164	161	2.1%	675.9	147	11.0%
20722	4,944	53	0.7%	1,072.0	93	45	0.6%	910.2	109	-15.1%
20735	31,648	240	3.3%	758.3	131	276	3.7%	872.1	114	15.0%
20737	17,068	168	2.3%	984.3	101	157	2.1%	919.8	108	-6.5%
20740	27,795	110	1.5%	395.8	252	124	1.7%	446.1	224	12.7%
20742	8,248	5	0.1%	60.6	1,649	0	0.0%	0.0	--	-100.0%
20743	33,643	583	8.0%	1,732.9	57	589	7.9%	1,750.7	57	1.0%
20744	45,500	353	4.8%	775.8	128	371	4.9%	815.4	122	5.1%
20745	24,998	356	4.9%	1,424.1	70	332	4.4%	1,328.1	75	-6.7%
20746	24,982	380	5.2%	1,521.1	65	456	6.1%	1,825.3	54	20.0%
20747	34,691	528	7.2%	1,522.0	65	574	7.7%	1,654.6	60	8.7%
20748	34,735	452	6.2%	1,301.3	76	448	6.0%	1,289.8	77	-0.9%
20762	2,147	4	0.1%	186.3	536	0	0.0%	0.0	--	-100.0%
20769	5,740	18	0.2%	313.6	318	21	0.3%	365.8	273	16.7%
20770	22,100	228	3.1%	1,031.7	96	208	2.8%	941.2	106	-8.8%
20772	37,524	254	3.5%	676.9	147	304	4.1%	810.1	123	19.7%
20774	38,140	330	4.5%	865.2	115	405	5.4%	1,061.9	94	22.7%
20781	9,892	79	1.1%	798.6	125	94	1.3%	950.3	105	19.0%
20782	26,917	324	4.4%	1,203.7	83	326	4.3%	1,211.1	82	0.6%
20783	38,972	322	4.4%	826.2	121	234	3.1%	600.4	166	-27.3%
20784	24,871	324	4.4%	1,302.7	76	317	4.2%	1,274.6	78	-2.2%
20785	29,902	544	7.5%	1,819.3	54	520	6.9%	1,739.0	57	-4.4%
20903	4,575	31	0.4%	677.6	147	40	0.5%	874.3	114	29.0%
20904	274	***	***	***	***	***	***	***	***	***
20912	2,989	55	0.8%	1,840.4	54	52	0.7%	1,740.0	57	-5.5%
Unknown	--	51	0.7%	--	--	43	0.6%	--	--	-15.7%
TOTAL	757,629	7,293	100.0%	962.6	103	7,500	100.0%	989.9	101	2.8%

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Percent Change:** The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

**Table 5 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017**

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
20601	***	***	***	***	***	***	***	***
20607	58	44	75.9%	571	13.6%	6.8%	15.9%	63.6%
20608	***	***	***	***	***	***	***	***
20613	55	40	72.7%	599	7.5%	12.5%	20.0%	60.0%
20623	16	10	62.5%	569	20.0%	10.0%	10.0%	60.0%
20705	143	99	69.2%	548	6.1%	12.1%	16.2%	65.7%
20706	295	208	70.5%	515	13.5%	12.5%	22.6%	51.4%
20707	173	122	70.5%	593	12.3%	8.2%	15.6%	63.9%
20708	190	124	65.3%	559	11.3%	10.5%	23.4%	54.8%
20710	89	55	61.8%	513	14.5%	7.3%	23.6%	54.5%
20712	107	65	60.7%	591	6.2%	15.4%	20.0%	58.5%
20715	49	33	67.3%	645	0.0%	12.1%	18.2%	69.7%
20716	114	76	66.7%	575	7.9%	15.8%	17.1%	59.2%
20720	106	74	69.8%	534	12.2%	18.9%	14.9%	54.1%
20721	161	100	62.1%	611	11.0%	12.0%	16.0%	61.0%
20722	45	32	71.1%	533	12.5%	9.4%	25.0%	53.1%
20735	276	196	71.0%	549	10.2%	12.2%	21.9%	55.6%
20737	157	103	65.6%	532	10.7%	14.6%	17.5%	57.3%
20740	124	87	70.2%	597	5.7%	5.7%	23.0%	65.5%
20742	0	--	--	--	--	--	--	--
20743	589	384	65.2%	535	12.2%	13.8%	19.3%	54.7%
20744	371	250	67.4%	565	10.0%	13.6%	18.0%	58.4%
20745	332	233	70.2%	536	10.7%	15.5%	20.2%	53.6%
20746	456	292	64.0%	555	9.6%	15.4%	18.5%	56.5%
20747	574	390	67.9%	545	12.3%	14.6%	19.0%	54.1%
20748	448	309	69.0%	561	13.6%	12.3%	17.8%	56.3%
20762	0	--	--	--	--	--	--	--
20769	21	17	81.0%	493	5.9%	11.8%	35.3%	47.1%
20770	208	146	70.2%	558	7.5%	13.7%	19.9%	58.9%
20772	304	226	74.3%	524	15.0%	14.6%	16.4%	54.0%
20774	405	293	72.3%	532	14.3%	10.6%	20.1%	54.9%
20781	94	60	63.8%	593	1.7%	11.7%	20.0%	66.7%
20782	326	211	64.7%	508	11.8%	17.5%	19.4%	51.2%
20783	234	162	69.2%	519	13.0%	16.0%	18.5%	52.5%
20784	317	213	67.2%	596	7.0%	11.3%	20.2%	61.5%
20785	520	359	69.0%	549	10.3%	15.3%	17.5%	56.8%
20903	40	31	77.5%	507	9.7%	22.6%	12.9%	54.8%
20904	***	***	***	***	***	***	***	***
20912	52	40	76.9%	530	2.5%	22.5%	20.0%	55.0%
Unknown	43	28	65.1%	602	7.1%	21.4%	14.3%	57.1%
<b>TOTAL</b>	<b>7,500</b>	<b>5,118</b>	<b>68.2%</b>	<b>549</b>	<b>10.9%</b>	<b>13.6%</b>	<b>19.0%</b>	<b>56.5%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).



**Table 6 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017**

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
20601	***	***	***	***	***
20607	58	45	77.6%	80.0%	13,530
20608	***	***	***	***	***
20613	55	39	70.9%	84.6%	46,785
20623	16	10	62.5%	80.0%	26,014
20705	143	103	72.0%	86.4%	26,220
20706	295	203	68.8%	82.8%	23,705
20707	173	117	67.6%	79.5%	36,248
20708	190	125	65.8%	80.0%	6,773
20710	89	56	62.9%	80.4%	3,810
20712	107	66	61.7%	84.8%	10,460
20715	49	32	65.3%	84.4%	12,053
20716	114	77	67.5%	87.0%	11,943
20720	106	76	71.7%	78.9%	5,698
20721	161	105	65.2%	82.9%	14,282
20722	45	31	68.9%	77.4%	20,454
20735	276	187	67.8%	82.4%	7,312
20737	157	108	68.8%	83.3%	8,195
20740	124	89	71.8%	93.3%	15,472
20742	0	--	--	--	--
20743	589	392	66.6%	80.1%	7,988
20744	371	252	67.9%	82.5%	12,440
20745	332	234	70.5%	77.4%	9,520
20746	456	297	65.1%	80.5%	8,257
20747	574	394	68.6%	82.5%	18,620
20748	448	308	68.8%	78.6%	14,185
20762	0	--	--	--	--
20769	21	17	81.0%	82.4%	1,710
20770	208	141	67.8%	83.7%	3,050
20772	304	220	72.4%	80.5%	19,490
20774	405	299	73.8%	80.9%	16,494
20781	94	57	60.6%	86.0%	4,532
20782	326	211	64.7%	83.9%	10,558
20783	234	164	70.1%	86.0%	4,427
20784	317	212	66.9%	84.0%	6,977
20785	520	356	68.5%	77.2%	15,849
20903	40	30	75.0%	76.7%	19,953
20904	***	***	***	***	***
20912	52	42	80.8%	85.7%	52,119
Unknown	43	28	65.1%	82.1%	863
<b>TOTAL</b>	<b>7,500</b>	<b>5,129</b>	<b>68.4%</b>	<b>81.7%</b>	<b>11,740</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

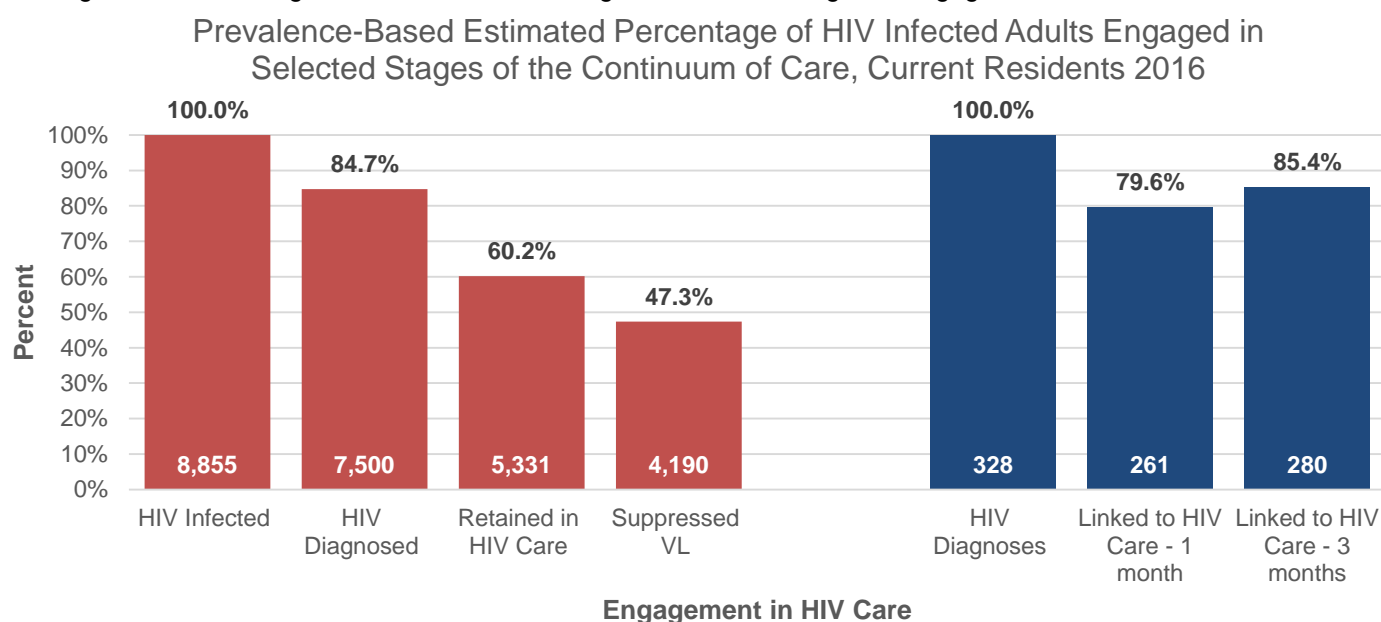
**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section IV – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

**Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Prince George’s County Residents, Reported through 6/30/2017**

The prevalence-based Prince George’s County Engagement in HIV Care Cascade (below) uses the most recent Centers for Disease Control and Prevention (CDC) estimate of the number of undiagnosed persons in Maryland (15.3%)<sup>2</sup> to generate an estimated number of HIV infected persons currently residing in Prince George’s County. It then uses surveillance data to describe the number and percentage of persons living with HIV in the county on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Infected	8,855	100.0%	New HIV Diagnoses	328	100.0%
HIV Diagnosed	7,500	84.7%	Linked to HIV Care – 1 Month	261	79.6%
Retained in HIV Care	5,331	60.2%	Linked to HIV Care – 3 Months	280	85.4%
Suppressed VL	4,190	47.3%			

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (15.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Retained in HIV Care:** HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**New HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to HIV Care – 1 month:** Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

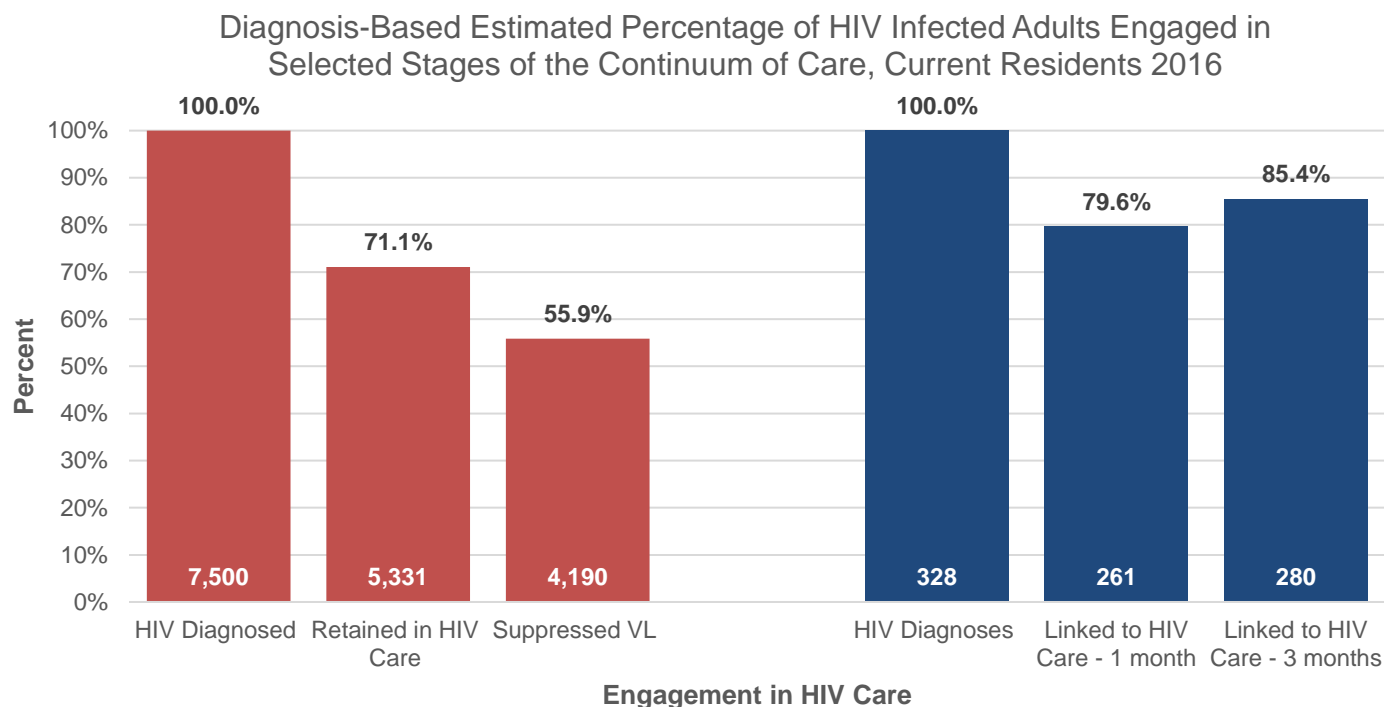
**Linked to HIV Care – 3 months:** Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

<sup>2</sup>Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 2). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published July 2017.

## Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Prince George’s County Residents, Reported through 6/30/2017

The diagnosis-based Prince George’s County Engagement in HIV Care Cascade (below) uses surveillance data for current county residents to describe the number and percentage of persons living with HIV in the county on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Diagnosed	7,500	100.0%	New HIV Diagnoses	328	100.0%
Retained in HIV Care	5,331	71.1%	Linked to HIV Care – 1 Month	261	79.6%
Suppressed VL	4,190	55.9%	Linked to HIV Care – 3 Months	280	85.4%

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Retained in HIV Care:** HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**New HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to HIV Care – 1 month:** Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

**Linked to HIV Care – 3 months:** Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

## Section V – Cases by Age

**Table 7 – HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through 6/30/2017**

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
<5 (Pediatric)	59,906	1	0.3%	1.7	***	***	***	***	***
5-12 (Pediatric)	90,514	1	0.3%	1.1	***	***	***	***	***
13-19	80,933	15	4.5%	18.5	93.3%	100.0%	***	86.7%	414
20-29	133,926	115	34.8%	85.9	80.9%	86.1%	13.0%	87.8%	410
30-39	129,039	93	28.2%	72.1	72.0%	81.7%	29.0%	86.0%	366
40-49	121,707	66	20.0%	54.2	84.8%	86.4%	37.9%	86.4%	326
50-59	128,268	28	8.5%	21.8	75.0%	78.6%	32.1%	85.7%	442
60+	163,756	11	3.3%	6.7	90.9%	100.0%	81.8%	100.0%	112
<b>TOTAL</b>	<b>908,049</b>	<b>330</b>	<b>100.0%</b>	<b>36.3</b>	<b>79.7%</b>	<b>85.5%</b>	<b>26.1%</b>	<b>87.3%</b>	<b>380</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2016.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Rate:** Number of HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	POPULATION	TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
<5	59,906	2	0.0%	0.0%	3.3	29,953
5-12	90,514	16	0.2%	25.0%	17.7	5,657
13-19	80,933	57	0.7%	24.6%	70.4	1,419
20-29	133,926	1,045	13.7%	26.1%	780.3	128
30-39	129,039	1,718	22.6%	41.9%	1,331.4	75
40-49	121,707	1,956	25.7%	57.5%	1,607.1	62
50-59	128,268	1,895	24.9%	61.2%	1,477.4	67
60+	163,756	919	12.1%	63.3%	561.2	178
<b>TOTAL</b>	<b>908,049</b>	<b>7,608</b>	<b>100.0%</b>	<b>50.9%</b>	<b>837.8</b>	<b>119</b>

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2016.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses with an AIDS diagnosis not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of HIV cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	30	25	83.3%	494	4.0%	8.0%	40.0%	48.0%
20-29	988	640	64.8%	574	9.2%	12.2%	17.2%	61.4%
30-39	1,712	1,102	64.4%	556	11.8%	12.7%	17.9%	57.6%
40-49	1,956	1,318	67.4%	539	12.1%	14.5%	18.6%	54.8%
50-59	1,895	1,360	71.8%	549	9.9%	14.5%	19.9%	55.7%
60+	919	673	73.2%	533	11.3%	12.8%	21.0%	55.0%
<b>TOTAL</b>	<b>7,500</b>	<b>5,118</b>	<b>68.2%</b>	<b>549</b>	<b>10.9%</b>	<b>13.6%</b>	<b>19.0%</b>	<b>56.5%</b>

**Table 10 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
13-19	30	27	90.0%	40.7%		8,665
20-29	988	661	66.9%	69.6%		13,530
30-39	1,712	1,115	65.1%	79.0%		14,112
40-49	1,956	1,330	68.0%	83.5%		13,010
50-59	1,895	1,344	70.9%	84.7%		9,787
60+	919	652	70.9%	90.0%		6,166
<b>TOTAL</b>	<b>7,500</b>	<b>5,129</b>	<b>68.4%</b>	<b>81.7%</b>		<b>11,740</b>

**Age on [date]:** Age group of living cases on the specified date.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.



## Section VI – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
Male	360,157	241	73.5%	66.9	80.9%	85.5%	24.9%	88.0%	374
Female	397,471	87	26.5%	21.9	75.9%	85.1%	29.9%	85.1%	426
TOTAL	757,629	328	100.0%	43.3	79.6%	85.4%	26.2%	87.2%	378

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
Hispanic	118,361	22	6.7%	18.6	90.9%	90.9%	18.2%	90.9%	409
Non-Hispanic	639,268	306	93.3%	47.9	78.8%	85.0%	26.8%	86.9%	374
American Indian/Alaska Native, only	1,917	0	0.0%	0.0	--	--	--	--	--
Asian, only	34,766	5	1.5%	14.4	***	***	***	***	***
Black, only	482,029	292	89.0%	60.6	78.1%	84.6%	27.7%	87.3%	369
Native Hawaiian/Other Pacific Islander, only	318	0	0.0%	0.0	--	--	--	--	--
White, only	107,467	6	1.8%	5.6	83.3%	83.3%	16.7%	***	***
Multiracial/ Other	12,771	3	0.9%	23.5	***	***	***	***	***
TOTAL	757,629	328	100.0%	43.3	79.6%	85.4%	26.2%	87.2%	378

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
United States	562,204	263	80.2%	46.8	78.3%	84.4%	27.0%	85.9%	364
Foreign-born	182,216	41	12.5%	22.5	87.8%	92.7%	22.0%	92.7%	473
Africa	--	25	7.6%	--	84.0%	88.0%	20.0%	88.0%	467
Asia	--	2	0.6%	--	***	***	***	***	***
Caribbean	--	4	1.2%	--	***	***	***	***	***
Central America	--	5	1.5%	--	100.0%	100.0%	***	100.0%	595
Other	--	5	1.5%	--	80.0%	100.0%	0.0%	100.0%	553
Unknown	--	24	7.3%	--	79.2%	83.3%	25.0%	91.7%	339
TOTAL	744,420	328	100.0%	44.1	79.6%	85.4%	26.2%	87.2%	378

\* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

\*\* Population data by country of birth are from the 2015 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Rate:** Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 12 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Male	360,157	5,059	67.5%	49.9%	1,404.7	71
Female	397,471	2,441	32.5%	53.5%	614.1	162
TOTAL	757,629	7,500	100.0%	51.1%	989.9	101

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Hispanic	118,361	545	7.3%	54.1%	460.5	217
Non-Hispanic	639,268	6,955	92.7%	50.8%	1,088.0	91
American Indian/Alaska Native, only	1,917	***	***	***	***	***
Asian, only	34,766	34	0.5%	35.3%	97.8	1,022
Black, only	482,029	6,278	83.7%	50.6%	1,302.4	76
Native Hawaiian/ Other Pacific Islander, only	318	***	***	***	***	***
White, only	107,467	314	4.2%	47.1%	292.2	342
Multiracial/ Other	12,771	324	4.3%	61.4%	2,537.1	39
TOTAL	757,629	7,500	100.0%	51.1%	989.9	101

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
United States	562,204	6,458	86.1%	50.7%	1,148.7	87
Foreign-born	182,216	875	11.7%	56.1%	480.2	208
Africa	--	551	7.3%	53.9%	--	--
Asia	--	23	0.3%	52.2%	--	--
Caribbean	--	74	1.0%	54.1%	--	--
Central America	--	168	2.2%	66.7%	--	--
Other	--	59	0.8%	50.8%	--	--
Unknown	--	167	2.2%	37.1%	--	--
TOTAL	744,420	7,500	100.0%	51.1%	1,007.5	99

\* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

\*\* Population data by country of birth are from the 2015 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 13 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	5,059	3,414	67.5%	532	11.0%	14.6%	19.8%	54.7%
Female	2,441	1,704	69.8%	601	10.9%	11.5%	17.5%	60.1%
TOTAL	7,500	5,118	68.2%	549	10.9%	13.6%	19.0%	56.5%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	545	383	70.3%	538	11.5%	15.7%	16.7%	56.1%
Non-Hispanic	6,955	4,735	68.1%	551	10.9%	13.4%	19.2%	56.5%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	34	27	79.4%	475	7.4%	14.8%	40.7%	37.0%
Black, only	6,278	4,276	68.1%	549	11.2%	13.4%	18.9%	56.4%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White, only	314	199	63.4%	621	4.0%	8.5%	20.1%	67.3%
Multiracial/Other	324	231	71.3%	506	11.3%	16.5%	21.6%	50.6%
TOTAL	7,500	5,118	68.2%	549	10.9%	13.6%	19.0%	56.5%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	6,458	4,383	67.9%	549	11.2%	13.3%	18.8%	56.6%
Foreign-born	875	621	71.0%	549	8.9%	14.2%	21.3%	55.7%
Africa	551	388	70.4%	535	7.5%	14.7%	23.2%	54.6%
Asia	23	19	82.6%	458	10.5%	15.8%	31.6%	42.1%
Caribbean	74	51	68.9%	637	11.8%	9.8%	17.6%	60.8%
Central America	168	117	69.6%	513	12.8%	17.1%	17.9%	52.1%
Other	59	46	78.0%	667	6.5%	6.5%	13.0%	73.9%
Unknown	167	114	68.3%	556	11.4%	18.4%	14.0%	56.1%
TOTAL	7,500	5,118	68.2%	549	10.9%	13.6%	19.0%	56.5%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Table 14 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	5,059	3,408	67.4%	81.4%	12,510
Female	2,441	1,721	70.5%	82.2%	11,236
TOTAL	7,500	5,129	68.4%	81.7%	11,740

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	545	390	71.6%	83.3%	18,435
Non-Hispanic	6,955	4,739	68.1%	81.5%	11,447
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	34	27	79.4%	85.2%	9,565
Black, only	6,278	4,278	68.1%	81.2%	11,720
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White, only	314	200	63.7%	87.0%	5,605
Multiracial/Other	324	232	71.6%	81.9%	12,160
TOTAL	7,500	5,129	68.4%	81.7%	11,740

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	6,458	4,388	67.9%	80.9%	11,720
Foreign-born	875	620	70.9%	87.1%	11,247
Africa	551	384	69.7%	88.5%	6,895
Asia	23	19	82.6%	94.7%	27,290
Caribbean	74	52	70.3%	82.7%	10,034
Central America	168	119	70.8%	82.4%	11,192
Other	59	46	78.0%	89.1%	46,611
Unknown	167	121	72.5%	79.3%	15,240
TOTAL	7,500	5,129	68.4%	81.7%	11,740

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

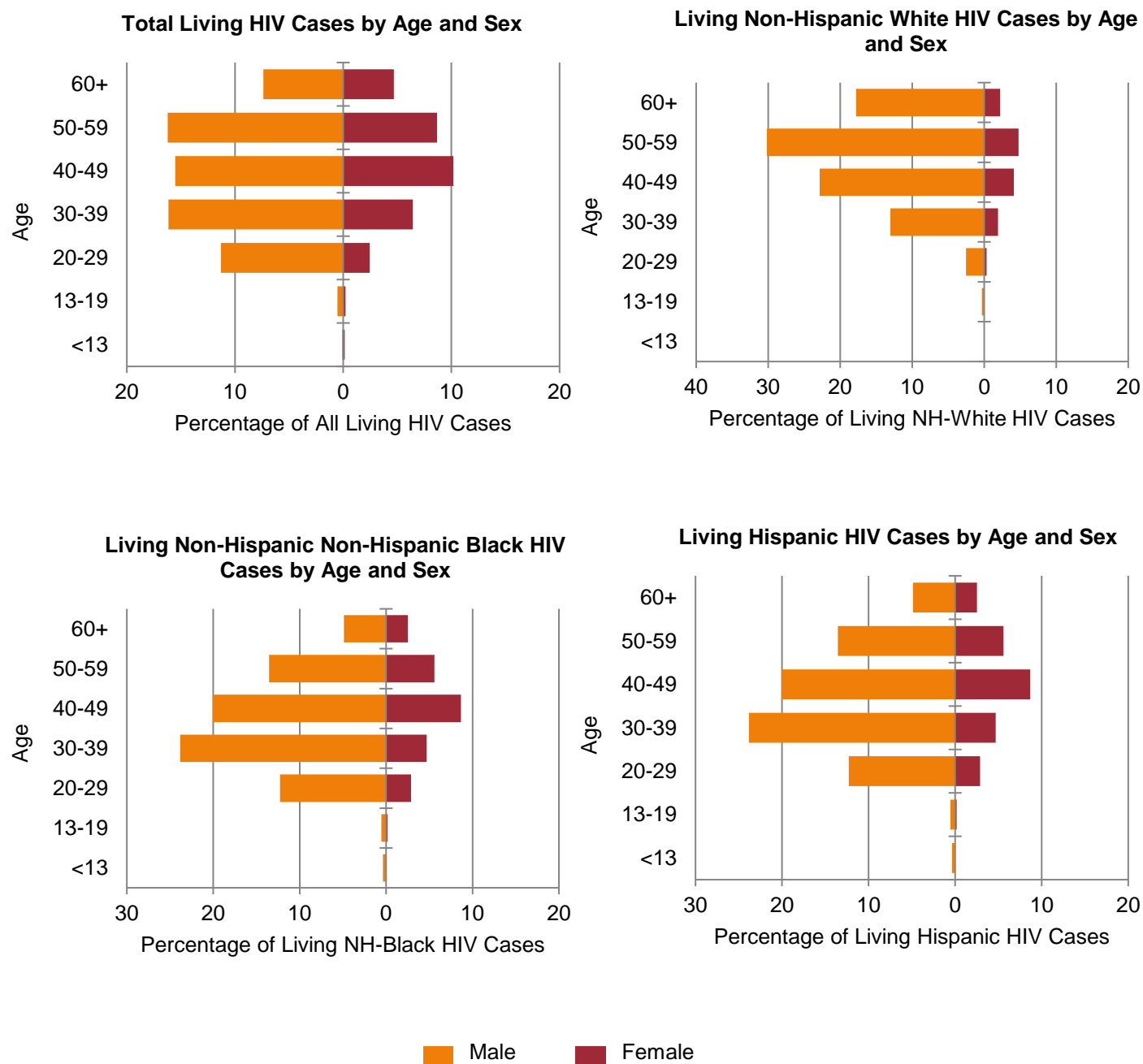
**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section VII – HIV Cases by Expanded Demographics

**Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 15 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

TOTAL LIVING MALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	21,894	43,280	5,884	5,519	76,577
	Cases	2	4	0	1	7
	Rate	9.1	9.2	0.0	18.1	9.1
	Ratio (1 in X)	10,947	10,819	--	5,519	10,939
13-19	Population	8,585	24,518	4,978	3,080	41,161
	Cases	3	36	1	0	40
	Rate	34.9	146.8	20.1	0.0	97.2
	Ratio (1 in X)	2,861	681	4,978	--	1,029
20-29	Population	13,246	39,622	9,635	5,546	68,049
	Cases	68	752	8	31	859
	Rate	513.4	1,897.9	83.0	559.0	1,262.3
	Ratio (1 in X)	194	52	1,204	178	79
30-39	Population	17,638	34,564	7,412	4,080	63,694
	Cases	132	983	41	72	1,228
	Rate	748.4	2,844.0	553.2	1,764.7	1,928.0
	Ratio (1 in X)	133	35	180	56	51
40-49	Population	13,521	35,613	5,957	3,349	58,440
	Cases	111	933	72	65	1,181
	Rate	820.9	2,619.8	1,208.7	1,940.9	2,020.9
	Ratio (1 in X)	121	38	82	51	49
50-59	Population	7,250	39,679	9,389	2,948	59,266
	Cases	75	992	95	73	1,235
	Rate	1,034.5	2,500.1	1,011.8	2,476.3	2,083.8
	Ratio (1 in X)	96	39	98	40	47
60+	Population	4,545	44,485	16,280	4,237	69,547
	Cases	27	444	56	35	562
	Rate	594.1	998.1	344.0	826.1	808.1
	Ratio (1 in X)	168	100	290	121	123
TOTAL MALES BY RACE/ETHNICITY	Population	86,679	261,761	59,535	28,759	436,734
	Cases	418	4,144	273	277	5,112
	Rate	482.2	1,583.1	458.6	963.2	1,170.5
	Ratio (1 in X)	207	63	218	103	85

**Age on [date]:** Age group of living cases on the specified date.

**Total Living Male HIV Cases:** Reported HIV diagnoses with Male sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2016.

**Rate:** Number of cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 16 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

TOTAL LIVING FEMALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	21,027	42,124	5,508	5,184	73,844
	Cases	0	10	0	1	11
	Rate	0.0	23.7	0.0	19.3	14.9
	Ratio (1 in X)	--	4,212	--	5,184	6,713
13-19	Population	8,038	24,302	4,472	2,960	39,771
	Cases	1	16	0	0	17
	Rate	12.4	65.8	0.0	0.0	42.7
	Ratio (1 in X)	8,038	1,518	--	--	2,339
20-29	Population	11,080	41,513	8,198	5,086	65,877
	Cases	16	161	1	8	186
	Rate	144.4	387.8	12.2	157.3	282.3
	Ratio (1 in X)	692	257	8,198	635	354
30-39	Population	13,160	40,512	6,913	4,760	65,345
	Cases	26	433	6	25	490
	Rate	197.6	1,068.8	86.8	525.2	749.9
	Ratio (1 in X)	506	93	1,152	190	133
40-49	Population	9,964	43,518	5,755	4,030	63,267
	Cases	48	686	13	28	775
	Rate	481.7	1,576.4	225.9	694.8	1,225.0
	Ratio (1 in X)	207	63	442	143	81
50-59	Population	6,213	49,564	9,206	4,019	69,002
	Cases	31	596	15	18	660
	Rate	499.0	1,202.5	162.9	447.9	956.5
	Ratio (1 in X)	200	83	613	223	104
60+	Population	5,121	64,139	19,272	5,677	94,209
	Cases	14	324	7	12	357
	Rate	273.4	505.2	36.3	211.4	378.9
	Ratio (1 in X)	365	197	2,753	473	263
TOTAL FEMALES BY RACE/ETHNICITY	Population	74,603	305,672	59,324	31,716	471,315
	Cases	136	2,226	42	92	2,496
	Rate	182.3	728.2	70.8	290.1	529.6
	Ratio (1 in X)	548	137	1,412	344	188

**Age on [date]:** Age group of living cases on the specified date.

**Total Living Female HIV Cases:** Reported HIV diagnoses with Female sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2016.

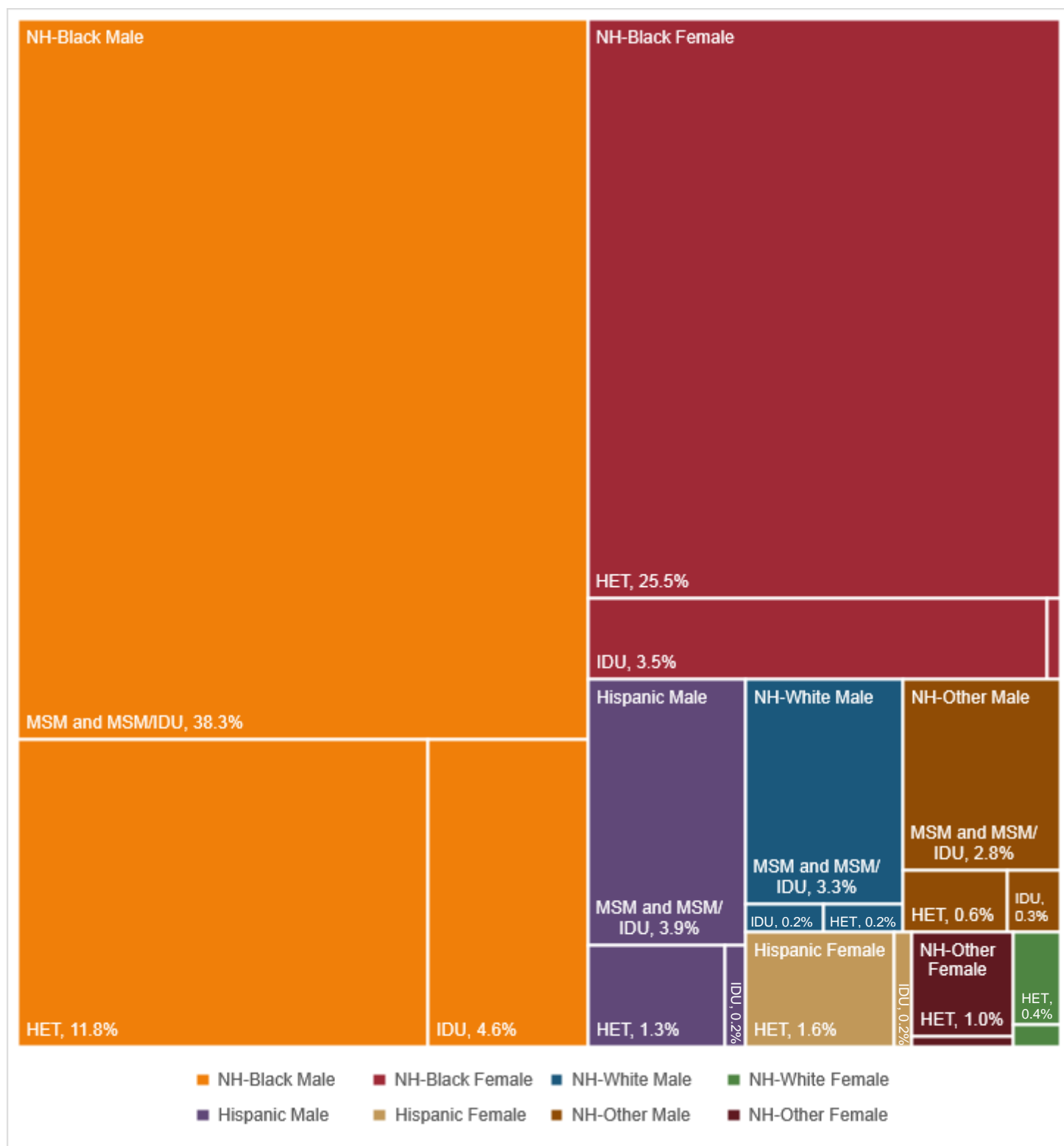
**Rate:** Number of cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.



## Section VIII – HIV Exposure Category

**Figure 10 – Proportion of Adult/Adolescent Total Living HIV Cases, by Estimated Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016, Reported through 6/30/2017**



Other exposure category not shown (<1%)

Multiple imputation was used to estimate and adjust for missing transmission category

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Men who have Sex with Men (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Table 17 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Exposure Category and Sex at Birth, Reported through 6/30/2017**

EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	185	100.0%	84.9%	89.2%	23.2%	89.7%	391
Men who have Sex with Men (MSM)	114	61.6%	82.5%	86.8%	21.1%	86.8%	382
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	71	38.4%	88.7%	93.0%	26.8%	94.4%	420
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure*</b>	143		72.7%	80.4%	30.1%	83.9%	357
<b>TOTAL</b>	328		79.6%	85.4%	26.2%	87.2%	378

MALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	141	100.0%	83.0%	87.9%	23.4%	88.7%	385
Men who have Sex with Men (MSM)	114	80.9%	82.5%	86.8%	21.1%	86.8%	382
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	27	19.1%	85.2%	92.6%	33.3%	96.3%	388
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure</b>	100		78.0%	82.0%	27.0%	87.0%	363
<b>TOTAL</b>	241		80.9%	85.5%	24.9%	88.0%	374

FEMALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	44	100.0%	90.9%	93.2%	22.7%	93.2%	469
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	44	100.0%	90.9%	93.2%	22.7%	93.2%	469
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure*</b>	43		60.5%	76.7%	37.2%	76.7%	338
<b>TOTAL</b>	87		75.9%	85.1%	29.9%	85.1%	426

\* Includes 4 new HIV diagnoses with Presumed Female Heterosexual exposure

\*\* 2016 reported HIV exposure data are preliminary.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 18 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Exposure Category and Sex at Birth, Reported through 6/30/2017**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	5,712	100.0%	54.3%
Men who have Sex with Men (MSM)	2,872	50.3%	47.2%
Injection Drug Users (IDU)	352	6.2%	77.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	116	2.0%	69.0%
Heterosexual Exposure (HET)	2,361	41.3%	58.6%
Other Exposures	11	0.2%	81.8%
<b>No Reported Exposure*</b>	1,788		40.7%
<b>TOTAL</b>	7,500		51.1%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	4,033	100.0%	52.6%
Men who have Sex with Men (MSM)	2,872	71.2%	47.2%
Injection Drug Users (IDU)	209	5.2%	75.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	116	2.9%	69.0%
Heterosexual Exposure (HET)	832	20.6%	63.1%
Other Exposures	4	0.1%	75.0%
<b>No Reported Exposure</b>	1,026		39.2%
<b>TOTAL</b>	5,059		49.9%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	1,679	100.0%	58.4%
Injection Drug Users (IDU)	143	8.5%	81.1%
Heterosexual Exposure (HET)	1,529	91.1%	56.1%
Other Exposures	7	0.4%	85.7%
<b>No Reported Exposure*</b>	762		42.8%
<b>TOTAL</b>	2,441		53.5%

\* Includes 40 living HIV cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 19 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016 and Reported through 6/30/2017**

Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	464	100.0%	4,702	100.0%	249	100.0%
Men who have Sex with Men (MSM)	249	53.7%	2,257	48.0%	194	77.9%
Injection Drug Users (IDU)	18	3.9%	300	6.4%	12	4.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	9	1.9%	90	1.9%	13	5.2%
Heterosexual Exposure (HET)	188	40.5%	2,046	43.5%	29	11.6%
Other Exposures	0	0.0%	9	0.2%	1	0.4%
<b>No Reported Exposure*</b>	81		1,576		65	
<b>TOTAL</b>	545		6,278		314	

Male Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	362	100.0%	3,212	100.0%	227	100.0%
Men who have Sex with Men (MSM)	249	68.8%	2,257	70.3%	194	85.5%
Injection Drug Users (IDU)	10	2.8%	174	5.4%	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	9	2.5%	90	2.8%	13	5.7%
Heterosexual Exposure (HET)	94	26.0%	688	21.4%	10	4.4%
Other Exposures	0	0.0%	3	0.1%	***	***
<b>No Reported Exposure</b>	50		888		45	
<b>TOTAL</b>	412		4,100		272	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	102	100.0%	1,490	100.0%	22	100.0%
Injection Drug Users (IDU)	8	7.8%	126	8.5%	***	***
Heterosexual Exposure (HET)	94	92.2%	1,358	91.1%	19	86.4%
Other Exposures	0	0.0%	6	0.4%	***	***
<b>No Reported Exposure*</b>	31		688		20	
<b>TOTAL</b>	133		2,178		42	

\* Includes 3 Hispanic cases, 34 non-Hispanic black cases, and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 20 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017**

Exposure Category	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	5,712	4,025	70.5%	549	10.5%	13.3%	19.7%	56.5%
Men who have Sex with Men (MSM)	2,872	1,978	68.9%	558	8.9%	13.2%	19.4%	58.5%
Injection Drug Users (IDU)	352	236	67.0%	461	13.6%	18.2%	21.6%	46.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	116	72	62.1%	585	6.9%	9.7%	25.0%	58.3%
Heterosexual Exposure (HET)	2,361	1,732	73.4%	550	12.0%	12.8%	19.7%	55.6%
Other Exposures	11	7	63.6%	197	57.1%	14.3%	0.0%	28.6%
No Reported Exposure*	1,788	1,093	61.1%	550	12.4%	14.6%	16.6%	56.4%
TOTAL	7,500	5,118	68.2%	549	10.9%	13.6%	19.0%	56.5%

\* Includes 40 cases with Presumed Female Heterosexual exposure

**Table 21 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
<b>With Exposure</b>	5,712	4,032	70.6%	82.3%	11,393
Men who have Sex with Men (MSM)	2,872	1,972	68.7%	82.0%	12,823
Injection Drug Users (IDU)	352	236	67.0%	82.2%	13,763
Men who have Sex with Men and Inject Drugs (MSM/IDU)	116	73	62.9%	82.2%	3,775
Heterosexual Exposure (HET)	2,361	1,745	73.9%	82.8%	9,942
Other Exposures	11	6	54.5%	50.0%	8,310
<b>No Reported Exposure*</b>	1,788	1,097	61.4%	79.2%	13,500
<b>TOTAL</b>	7,500	5,129	68.4%	81.7%	11,740

\* Includes 40 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

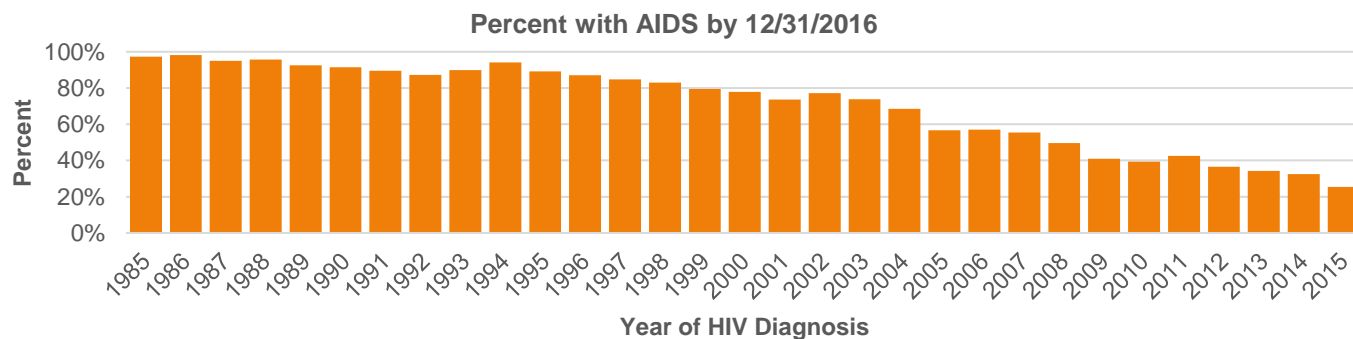
**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section IX – Disease Progression and Mortality

**Figure 11 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2015, Reported through 6/30/2017**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2015 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2016 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2016, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017

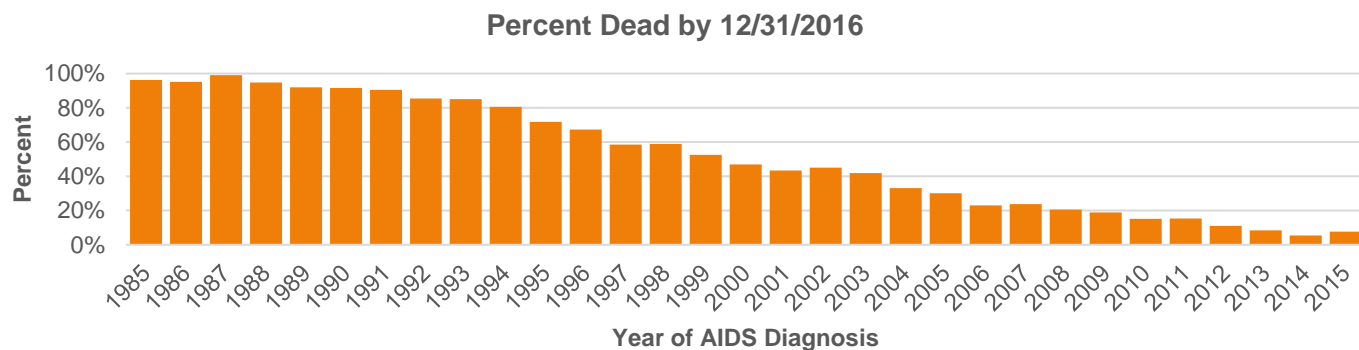


YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	64	59	92.2%	7.2	48.4%	48.4%	50.0%	60.9%
1985	111	108	97.3%	5.3	49.5%	50.5%	54.1%	75.7%
1986	156	153	98.1%	5.0	39.7%	41.0%	51.3%	87.2%
1987	221	210	95.0%	4.0	45.2%	46.2%	62.0%	85.5%
1988	234	224	95.7%	3.3	48.3%	52.6%	73.9%	88.9%
1989	309	286	92.6%	3.1	46.6%	48.5%	72.8%	86.7%
1990	329	301	91.5%	2.9	50.2%	57.8%	75.1%	85.1%
1991	381	341	89.5%	2.6	49.6%	58.0%	76.4%	84.0%
1992	338	295	87.3%	2.9	50.3%	56.5%	71.6%	78.4%
1993	296	266	89.9%	2.4	57.4%	62.8%	74.3%	83.8%
1994	275	259	94.2%	1.8	69.8%	75.3%	81.8%	89.8%
1995	276	246	89.1%	1.7	66.3%	71.4%	76.1%	86.6%
1996	277	241	87.0%	1.9	63.2%	65.7%	74.7%	82.7%
1997	297	252	84.8%	1.8	63.0%	66.7%	73.7%	81.1%
1998	283	235	83.0%	1.8	60.4%	64.7%	70.7%	79.5%
1999	302	240	79.5%	1.6	61.9%	65.9%	69.9%	75.2%
2000	298	232	77.9%	1.7	59.1%	61.4%	68.5%	73.5%
2001	297	219	73.7%	1.6	55.2%	57.6%	65.7%	70.0%
2002	342	264	77.2%	1.1	63.5%	67.5%	71.9%	75.1%
2003	390	288	73.8%	1.3	59.0%	61.3%	65.9%	71.8%
2004	410	281	68.5%	1.5	53.4%	56.1%	59.0%	66.6%
2005	423	240	56.7%	1.1	46.1%	48.7%	51.5%	56.3%
2006	434	248	57.1%	1.3	43.5%	45.9%	51.2%	56.5%
2007	491	272	55.4%	1.5	39.7%	41.5%	48.9%	--
2008	498	247	49.6%	1.4	35.3%	38.4%	44.6%	--
2009	484	198	40.9%	1.3	30.6%	32.2%	36.8%	--
2010	488	192	39.3%	0.9	30.5%	33.4%	37.7%	--
2011	432	184	42.6%	0.9	32.6%	36.3%	41.2%	--
2012	375	137	36.5%	0.7	31.2%	32.3%	--	--
2013	407	139	34.2%	0.3	31.4%	33.4%	--	--
2014	373	121	32.4%	0.5	26.0%	29.0%	--	--
2015	404	103	25.5%	0.2	24.0%	--	--	--
TOTAL	10,695	7,081	66.2%	2.0	46.1%	49.4%	56.7%	63.2%



**Figure 12 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2015, Reported through 6/30/2017**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/15 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2016 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2016, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017



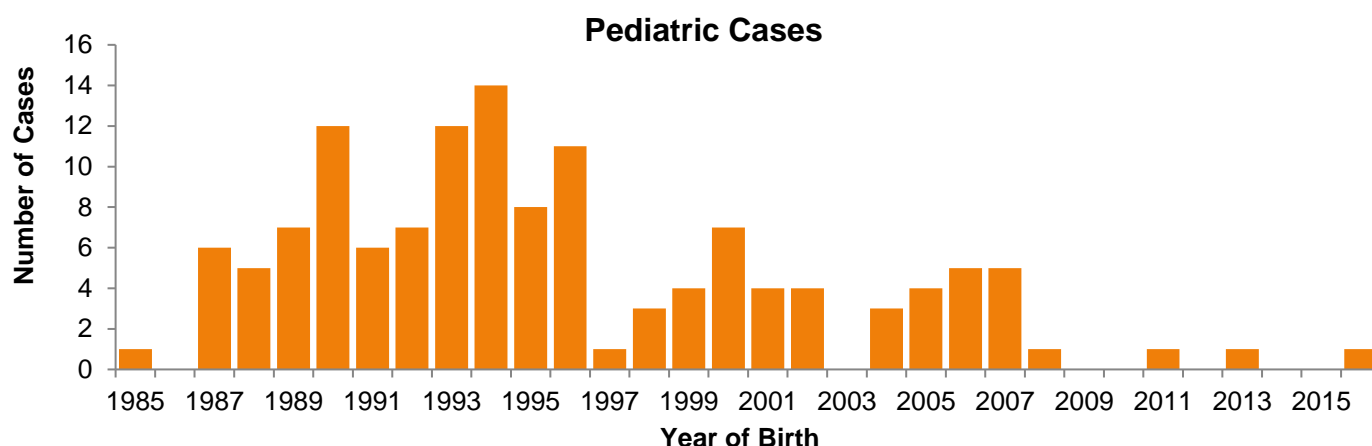
YEAR OF AIDS DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	38	38	100.0%	0.9	31.6%	5.3%	2.6%	0.0%
1985	54	52	96.3%	1.6	40.7%	16.7%	14.8%	5.6%
1986	61	58	95.1%	1.8	52.5%	34.4%	11.5%	8.2%
1987	105	104	99.0%	2.0	44.8%	24.8%	10.5%	4.8%
1988	116	110	94.8%	1.7	60.3%	36.2%	12.9%	5.2%
1989	150	138	92.0%	2.9	66.0%	48.0%	20.7%	13.3%
1990	188	172	91.5%	2.8	64.9%	47.9%	23.4%	14.9%
1991	231	209	90.5%	2.4	67.1%	51.5%	18.2%	13.0%
1992	304	260	85.5%	3.3	78.3%	55.3%	27.0%	21.4%
1993	316	269	85.1%	3.5	70.9%	55.4%	31.6%	23.7%
1994	328	264	80.5%	3.3	72.9%	52.7%	37.2%	25.9%
1995	307	220	71.7%	4.1	73.3%	60.9%	49.5%	39.1%
1996	287	193	67.2%	5.0	80.5%	72.8%	61.3%	45.3%
1997	253	148	58.5%	4.5	81.0%	74.7%	61.7%	50.6%
1998	221	130	58.8%	5.0	84.6%	81.4%	68.8%	50.2%
1999	240	126	52.5%	4.2	84.2%	77.5%	66.3%	52.9%
2000	239	112	46.9%	5.8	90.8%	88.7%	77.0%	61.5%
2001	233	101	43.3%	4.1	85.0%	80.7%	71.7%	62.7%
2002	246	111	45.1%	4.1	85.4%	82.1%	70.7%	61.8%
2003	287	120	41.8%	3.7	86.4%	80.5%	71.4%	62.0%
2004	269	89	33.1%	4.2	89.2%	87.0%	79.2%	70.6%
2005	296	89	30.1%	3.1	87.5%	85.5%	77.7%	71.6%
2006	270	62	23.0%	3.6	93.0%	90.4%	84.8%	77.0%
2007	252	60	23.8%	2.8	90.1%	86.9%	81.7%	--
2008	220	45	20.5%	1.9	89.1%	86.4%	82.3%	--
2009	190	36	18.9%	1.8	91.1%	87.9%	83.2%	--
2010	243	37	15.2%	1.9	93.4%	90.5%	86.8%	--
2011	209	32	15.3%	2.0	93.3%	90.4%	86.1%	--
2012	234	26	11.1%	1.0	92.7%	90.6%	--	--
2013	226	19	8.4%	0.5	93.4%	92.0%	--	--
2014	186	10	5.4%	0.8	96.8%	94.6%	--	--
2015*	172	13	7.6%	0.5	93.6%	--	--	--
TOTAL	6,971	3,453	49.5%	3.4	82.1%	73.9%	62.3%	54.9%

\*2015 AIDS deaths are preliminary.

## Section X – Pediatric Cases

**Figure 13 – Trends in Pediatric HIV Cases, 1985-2016, Reported through 6/30/2017**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2016, as Reported by Name through 6/30/2017



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES			PEDIATRIC TOTAL LIVING HIV CASES	
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	9	1	0	0	--
1985	1	2	1	0	4
1986	0	2	0	0	6
1987	6	5	4	0	11
1988	5	2	1	2	11
1989	7	4	4	1	14
1990	12	9	5	4	19
1991	6	7	6	3	23
1992	7	7	4	0	29
1993	12	8	6	3	34
1994	14	7	2	0	40
1995	8	9	7	5	44
1996	11	7	7	2	49
1997	1	4	5	0	53
1998	3	3	0	2	54
1999	4	11	4	0	65
2000	7	3	3	1	67
2001	4	2	1	2	66
2002	4	6	0	0	72
2003	0	1	0	4	69
2004	3	4	2	2	71
2005	4	6	2	1	76
2006	5	5	3	0	81
2007	5	15	2	0	96
2008	1	2	1	0	99
2009	0	0	0	0	99
2010	0	1	1	1	100
2011	1	3	1	0	104
2012	0	1	0	0	106
2013	1	1	0	0	107
2014	0	2	2	0	109
2015	0	0	6	0	108
2016	1	2	1	0	110
TOTAL	142	142	81	33	--

**Table 22 – Pediatric HIV Total Living HIV Cases, Diagnosed in Maryland, Alive on 12/31/2016, by Jurisdiction, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
20607	1	0.9%
20705	1	0.9%
20706	4	3.6%
20707	2	1.8%
20710	1	0.9%
20712	3	2.7%
20716	1	0.9%
20721	3	2.7%
20735	8	7.3%
20737	5	4.5%
20740	1	0.9%
20743	9	8.2%
20744	8	7.3%
20745	4	3.6%
20746	7	6.4%
20747	4	3.6%
20748	10	9.1%
20770	2	1.8%
20772	4	3.6%
20774	3	2.7%
20781	1	0.9%
20782	7	6.4%
20783	4	3.6%
20784	4	3.6%
20785	12	10.9%
20903	1	0.9%
<b>TOTAL</b>	<b>110</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 23 – Pediatric Total Living HIV Cases, Diagnosed in Maryland, by Sex at Birth and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	56	50.9%
Female	54	49.1%
<b>TOTAL</b>	<b>110</b>	<b>100.0%</b>

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
<b>Hispanic</b>	6	5.5%
<b>Non-Hispanic</b>	104	94.5%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	99	90.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	1	0.9%
Multiracial/Other	4	3.6%
<b>TOTAL</b>	<b>110</b>	<b>100.0%</b>

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

# Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Change:** The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2016.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Population:** Population estimate for 7/1/2016.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Rate:** Number of HIV cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result performed in the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.